

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0999 Reclamation District No. 0999 Netherlands	Overall LMA Rating	Total LMA Miles						
	U	32.17						
	Rated Item		Maintenance Deficiency			Enforcement		Design & System Obsolescence
			M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.28	0.16	0.92	2.86%	0.33	0.37		
Trim / Thin Trees	3.63	0.21	4.47	13.90%	0.11	0.08		
Encroachments	0.17	0.02	0.25	0.78%	2.99	0.40		
Animal Control	0.11	0.01	0.15	0.47%				
Slope Stability	0.05	0.01	0.09	0.28%			0.02	
Erosion / Bank Caving		0.02	0.08	0.25%				
Crown Surface / Depressions / Rutting	6.35	0.10	6.75	20.99%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.89	0.41	2.53	7.87%			9.48	
DWR UCIP Field Study					0.57	0.06		
<i>LMA Totals:</i>	11.48	0.94	15.24	47.38%	4.00	0.91	9.50	0.00

Unit No. 01 Yolo Bypass LB RD0999	Overall Unit Rating	Total Unit Miles						
	U	15.41						
	Rated Item		Maintenance Deficiency			Enforcement		Design & System Obsolescence
			M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.02		0.02	0.13%	0.01			
Trim / Thin Trees	0.28	0.02	0.36	2.34%				
Encroachments	0.06		0.06	0.39%	0.75	0.27		
Animal Control	0.01	0.01	0.05	0.32%				
Slope Stability	0.05		0.05	0.32%			0.02	
Erosion / Bank Caving		0.01	0.04	0.26%				
Crown Surface / Depressions / Rutting	3.84	0.10	4.24	27.51%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.01		0.01	0.07%				
DWR UCIP Field Study					0.05	0.02		
<i>Unit Totals:</i>	4.27	0.14	4.83	31.34%	0.81	0.29	0.02	0.00

Unit No. 02 Miner Slough RB RD0999	Overall Unit Rating	Total Unit Miles						
	U	2.31						
	Rated Item		Maintenance Deficiency			Enforcement		Design & System Obsolescence
			M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.10	0.01	0.14	6.07%		0.01		
Trim / Thin Trees	0.11	0.04	0.27	11.70%				
Encroachments					0.07	0.05		
Animal Control	0.10		0.10	4.33%				
Crown Surface / Depressions / Rutting	0.54		0.54	23.41%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.08			
<i>Unit Totals:</i>	0.85	0.05	1.05	45.51%	0.15	0.06	0.00	0.00

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Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 03 Sutter Slough RB RD0999	Overall Unit Rating	Total Unit Miles						
	U	3.74						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	1.07%		0.01		
Trim / Thin Trees	0.59	0.03	0.71	18.97%	0.02			
Encroachments	0.03	0.01	0.07	1.87%	0.01			
Crown Surface / Depressions / Rutting	1.26		1.26	33.66%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.62	0.41	2.26	60.37%				
DWR UCIP Field Study					0.04			
<i>Unit Totals:</i>	2.54	0.45	4.34	115.94%	0.07	0.01	0.00	0.00

Unit No. 04 Sacramento River RB RD0999	Overall Unit Rating	Total Unit Miles						
	U	1.22						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation		0.02	0.08	6.56%	0.09	0.16		
Trim / Thin Trees	0.27	0.01	0.31	25.41%				
Encroachments					0.06	0.01		
Erosion / Bank Caving		0.01	0.04	3.28%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.26		0.26	21.31%				
DWR UCIP Field Study					0.14			
<i>Unit Totals:</i>	0.53	0.04	0.69	56.56%	0.29	0.17	0.00	0.00

Unit No. 05 Elk Slough RB RD0999	Overall Unit Rating	Total Unit Miles						
	U	9.48						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.12	0.13	0.64	6.75%	0.23	0.19		
Trim / Thin Trees	2.38	0.11	2.82	29.74%	0.09	0.08		
Encroachments	0.08	0.01	0.12	1.27%	2.10	0.07		
Slope Stability		0.01	0.04	0.42%				
Crown Surface / Depressions / Rutting	0.71		0.71	7.49%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT							9.48	
DWR UCIP Field Study					0.26	0.04		
<i>Unit Totals:</i>	3.29	0.26	4.33	45.66%	2.68	0.38	9.48	0.00

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet
Fall 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway			Bank	Unit Miles
Unit No. 01 Yolo Bypass			Left	15.41
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/23/2015 - 03/23/2015		11/02/2015 - 11/04/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Bob Webber RD 999		Bob Webber RD 999	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	53				
LM End	0.00	Issue Type +	Ma	Location *	N/A				No Photos
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Operations & Maintenance Manuals			o	o				
				o	o				
DWR ID	DWR_RD0999_01_s_2013_53								
Action/Comments									
Inspector Comments: The LMA has copy of the O & M manual on file.									

LM Start	0.00	Rating **	A	Issue No.	54				
LM End	0.00	Issue Type +	Ma	Location *	N/A				No Photos
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Emergency Supplies & Equipment			o	o				
				o	o				
DWR ID	DWR_RD0999_01_s_2013_54								
Action/Comments									
Inspector Comments: The LMA has adequate floodfight supplies and equipment on hand.									

LM Start	0.00	Rating **	A	Issue No.	55				
LM End	0.00	Issue Type +	Ma	Location *	N/A				No Photos
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Flood Preparedness & Training			o	o				
				o	o				
DWR ID	DWR_RD0999_01_s_2013_55								
Action/Comments									
Inspector Comments: The LMA is prepared for responding to floods and has received training.									

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.12	Rating **	U	Issue No.	1										
LM End	0.39	Issue Type +	En	Location *	WS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.503346 °	38.499389 °											
			-121.582116 °	-121.581933 °											
DWR ID	DWR_RD0999_01_s_2012_1														
Action/Comments															
Material Inspector Comments: Landfill has been in place for several years. Landowner is hauling additional material on waterward berm.															

Photo 1 of 3 : FA_2015_RD0999_232_1_20151106_00086.jpg



Looking west at the end of new fill on waterward berm fall 2015.

LM Start	0.12	Rating **	U	Issue No.	1 (cont)	
LM End	0.39	Issue Type +	En	Location *	WS	

Photo 2 of 3 : FA_2015_RD0999_232_1_20151106_00087.jpg



Looking west at new fill on waterward berm fall 2015.

LM Start	0.12	Rating **	U	Issue No.	1 (cont)	
LM End	0.39	Issue Type +	En	Location *	WS	

Photo 3 of 3 : FA_2015_RD0999_232_1_20150914_00001.jpg



Looking west at new material on waterward berm.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.27	Rating **	M	Issue No.	3	
LM End	0.27	Issue Type +	Ma	Location *	LS	No Photos
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.501113 °	38.501113 °	
				-121.581975 °	-121.581975 °	
DWR ID	DWR_RD0999_01_s_2012_3					
Action/Comments						
Elderberries are blocking visibility and flood fight capability.						

LM Start	1.72	Rating **	U	Issue No.	921	
LM End	1.72	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.480097 °	38.480097 °	
				-121.580844 °	-121.580844 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39764 DS_ID:22743 EP_NO: N/A FS_HLM: 1.742 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and open on WS slope. Pipe should be abandoned properly. FIELD_STRUCT_DESC: 30-inch pipe through levee 6.5 feet below crown. Pump missing from platform in canal off LS toe. Flap gate on the waterward end. Siphon breaker and air vent on the landward shoulder. 1-inch galvanized iron filler pipe visible at WS shoulder along same alignment. Originally included in the 1966 O&M manual. FS Date: 06/25/2013						



Pump platform visible off LS toe, but no appurtenances remain.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/W : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.72	Rating **	U	Issue No.	921 (cont)									
LM End	1.72	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.480097 °	38.480097 °									
				-121.580844 °	-121.580844 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:39764 DS_ID:22743 EP_NO: N/A FS_HLM: 1.742 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and open on WS slope. Pipe should be abandoned properly. FIELD_STRUCT_DESC: 30-inch pipe through levee 6.5 feet below crown. Pump missing from platform in canal off LS toe. Flap gate on the waterward end. Siphon breaker and air vent on the landward shoulder. 1-inch galvanized iron filler pipe visible at WS shoulder along same alignment. Originally included in the 1966 O&M manual. FS Date: 06/25/2013														

Photo 2 of 3 : UCIP_FA_2015_1290.jpg



06/25/2013 08:12

Pump platform visible off LS toe, but no appurtenances remain.

Photo 3 of 3 : UCIP_FA_2015_1291.jpg



06/25/2013 08:07

Pipe open on WS slope

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.73	Rating **	M	Issue No.	4										
LM End	1.75	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.480082 °	38.479788 °										
				-121.580930 °	-121.580918 °										
DWR ID	DWR_RD0999_01_s_2012_4														
Action/Comments															
Trim trees to at least five feet above ground level.															

Photo 1 of 2 : FA_2015_RD0999_232_4_20150914_00008.jpg



Looking northwest at trimmed trees on waterward slope.

Photo 2 of 2 : FA_2015_RD0999_232_4_20150914_00009.jpg



Looking southwest at trimmed trees on waterward slope.

LM Start	1.79	Rating **	M	Issue No.	30										
LM End	2.04	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.479165 °	38.475463 °										
				-121.580640 °	-121.580722 °										
DWR ID	DWR_RD0999_01_s_2012_30														
Action/Comments															
Trim trees to at least five feet above ground level.															

Photo 1 of 5 : FA_2015_RD0999_232_30_20150914_00034.jpg



Looking southeast at untrimmed trees on landward slope. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.79	Rating **	M	Issue No.	30 (cont)							
LM End	2.04	Issue Type +	Ma	Location *	LS							
Category			Earthen Levee			GPS Latitude/Longitude						
					Start	End						
Item	Trim / Thin Trees			38.479165 °	38.475463 °							
				-121.580640 °	-121.580722 °							
DWR ID	DWR_RD0999_01_s_2012_30											
Action/Comments												
Trim trees to at least five feet above ground level.												

Photo 2 of 5 : FA_2015_RD0999_232_30_20150914_00035.jpg



Looking southeast at dense trees on landwater slope. (Spring 2015)

LM Start	1.79	Rating **	M	Issue No.	30 (cont)	
LM End	2.04	Issue Type +	Ma	Location *	LS	

Photo 3 of 5 : FA_2015_RD0999_232_30_20150914_00036.jpg



Looking south at typical view of untrimmed trees on landward slope.

LM Start	1.79	Rating **	M	Issue No.	30 (cont)	
LM End	2.04	Issue Type +	Ma	Location *	LS	

Photo 4 of 5 : FA_2015_RD0999_232_30_20150914_00037.jpg



Looking north at several untrimmed trees on landside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.79	Rating **	M	Issue No.	30 (cont)												
LM End	2.04	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees		38.479165 °	38.475463 °													
			-121.580640 °	-121.580722 °													
DWR ID	DWR_RD0999_01_s_2012_30																
Action/Comments																	
Trim trees to at least five feet above ground level.																	



Looking southeast at dense trees on landside slope and toe. (2013)

LM Start	2.09	Rating **	M	Issue No.	922									
LM End	2.09	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study		38.474783 °	38.474783 °										
			-121.580428 °	-121.580428 °										
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16324 DS_ID:23957 EP_NO: N/A FS_HLM: 2.109 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: 20-inch steel gasoline through the levee at an unknown depth. Gasline markers on both shoulders. (Permit No. 16311, 1996) FS Date: 06/25/2013														



Gasline marker on LS shoulder.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	2.09	Rating **	M	Issue No.	922 (cont)									
LM End	2.09	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.474783 °	38.474783 °									
				-121.580428 °	-121.580428 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16324 DS_ID:23957 EP_NO: N/A FS_HLM: 2.109 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: 20-inch steel gasline through the levee at an unknown depth. Gasline markers on both shoulders. (Permit No. 16311, 1996) FS Date: 06/25/2013														



Gasline markers on WS shoulder with USAA paint on roadway.

LM Start	2.13	Rating **	U	Issue No.	7									
LM End	2.13	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.474258 °	38.474258 °									
				-121.580528 °	-121.580528 °									
DWR ID	DWR_RD0999_01_s_2012_7													
Action/Comments														
Trim trees to at least five feet above ground level.														



Looking south at untrimmed trees on waterward slope. (Spring 2015)

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	2.13	Rating **	U	Issue No.	7 (cont)	
LM End	2.13	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
Item	Trim / Thin Trees			Start	End	
DWR ID	DWR_RD0999_01_s_2012_7			38.474258 °	38.474258 °	
Action/Comments						
Trim trees to at least five feet above ground level.						

Photo 2 of 3 : FA_2015_RD0999_232_7_20150914_00016.jpg



Looking south at untrimmed trees on waterward slope. (Fall 2014)

LM Start	2.13	Rating **	U	Issue No.	7 (cont)	
LM End	2.13	Issue Type +	Ma	Location *	WS	

Photo 3 of 3 : FA_2015_RD0999_232_7_20150914_00017.jpg



Looking southwest at untrimmed trees on waterside slope.

LM Start	2.13	Rating **	U	Issue No.	31	
LM End	2.13	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
Item	Trim / Thin Trees			Start	End	
DWR ID	DWR_RD0999_01_s_2012_31			38.474200 °	38.474200 °	
Action/Comments						
Trim trees to at least five feet above ground level.						

Photo 1 of 3 : FA_2015_RD0999_232_31_20150914_00039.jpg



Looking southeast at untrimmed trees on landward slope. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	2.13	Rating **	U	Issue No.	31 (cont)	
LM End	2.13	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
Item	Trim / Thin Trees			Start	End	
DWR ID	DWR_RD0999_01_s_2012_31			38.474200 °	38.474200 °	
Action/Comments						
Trim trees to at least five feet above ground level.						

Photo 2 of 3 : FA_2015_RD0999_232_31_20150914_00040.jpg



Looking southeast at untrimmed trees on landward slope. (Fall 2014)

LM Start	2.13	Rating **	U	Issue No.	31 (cont)	
LM End	2.13	Issue Type +	Ma	Location *	LS	

Photo 3 of 3 : FA_2015_RD0999_232_31_20150914_00041.jpg



Looking southeast at untrimmed trees on landside slope.

LM Start	2.18	Rating **	M	Issue No.	8	
LM End	2.19	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
Item	Trim / Thin Trees			Start	End	
DWR ID	DWR_RD0999_01_s_2012_8			38.473542 °	38.473417 °	
Action/Comments						
Thin trees to allow visibility of the ground and room to flood fight.						

Photo 1 of 1 : FA_2015_RD0999_232_8_20150914_00018.jpg



Looking southwest at trimmed trees on waterside slope. (Spring 2012)

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/W : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	2.51	Rating **	M	Issue No.	40										
LM End	2.51	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.469048 °	38.469048 °											
			-121.583075 °	-121.583075 °											
DWR ID	DWR_RD0999_01_s_2012_40														
Action/Comments															
Material Inspector Comments: Excavation activity on landside shoulder. Hole is approximately 15ft x 12" x 15". Hole appears to be excavated by a backhoe.															

Photo 1 of 3 : FA_2015_RD0999_232_40_20150914_00049.jpg



Looking south at excavation with backhoe on landside shoulder.

Photo 2 of 3 : FA_2015_RD0999_232_40_20150914_00050.jpg



Looking south at close-up view of excavation on landside shoulder.

Photo 3 of 3 : FA_2015_RD0999_232_40_20150914_00051.jpg



Looking north at excavation on landside shoulder.

LM Start	2.51	Rating **	M	Issue No.	40 (cont)	
LM End	2.51	Issue Type +	Ma	Location *	LS	

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	2.76	Rating **	A/W	Issue No.	46													
LM End	4.98	Issue Type +	Ma	Location *	CR													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Crown Surface / Depressions / Rutting			38.465627 °	38.435378 °													
DWR ID	DWR_RD0999_01_f_2013_46																	
Action/Comments																		
Repair depressions or ruts in the crown or slope. Inspector Comments: Control growth on levee crown and repair ruts on levee crown.																		

Photo 1 of 3 : FA_2015_RD0999_232_46_20150914_00056.jpg



Looking north at rutting on levee crown.

LM Start	2.76	Rating **	A/W	Issue No.	46 (cont)				
LM End	4.98	Issue Type +	Ma	Location *	CR				

Photo 2 of 3 : FA_2015_RD0999_232_46_20150914_00057.jpg



Looking south at growth and ruts on levee crown.

LM Start	2.76	Rating **	A/W	Issue No.	46 (cont)				
LM End	4.98	Issue Type +	Ma	Location *	CR				

Photo 3 of 3 : FA_2015_RD0999_232_46_20150914_00058.jpg



Looking south at rutting on levee crown.

* Location	N/A : Not Applicable
LS : Land Side	
WS : Water Side	
CR : Crown	

** Rating	A : Acceptable	N : Not Inspected/Rated
	M : Minimally Acceptable	C : Corrected
	U : Unacceptable	A/W : Acceptable but Monitor & Maintain

+ Issue Type	Ma : Maintenance Deficiency
	Ob : Design & System Obsolescence
	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.24	Rating **	M	Issue No.	51													
LM End	3.26	Issue Type +	Ma	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Slope Stability				°		°		°									
DWR ID	DWR_RD0999_01_s_2013_51																	
Action/Comments																		
Repair slope instability. Inspector Comments: Depression on waterside shoulder and slope 60' x 20'. Earthen material appears to be sliding toward levee toe.																		



Looking north at depression on landside shoulder and slope.

LM Start	3.24	Rating **	M	Issue No.	51 (cont)				
LM End	3.26	Issue Type +	Ma	Location *	LS				



Looking northeast at depression on landside shoulder.

LM Start	3.30	Rating **	M	Issue No.	64													
LM End	3.30	Issue Type +	En	Location *	WS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Encroachments			38.458346 °	38.458346 °													
				-121.588008 °	-121.588008 °													
DWR ID	DWR_RD0999_01_s_2014_64																	
Action/Comments																		
Tree or limb Inspector Comments: Discarded tree branches, limbs and power poles stockpile on waterward berm.																		



Looking southwest at pruning on waterward berm.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.30	Rating **	M	Issue No.	64 (cont)												
LM End	3.30	Issue Type +	En	Location *	WS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Encroachments			38.458346 °	38.458346 °												
				-121.588008 °	-121.588008 °												
DWR ID	DWR_RD0999_01_s_2014_64																
Action/Comments																	
Tree or limb Inspector Comments: Discarded tree branches, limbs and power poles stockpile on waterward berm.																	

Photo 2 of 2 : FA_2015_RD0999_232_64_20150914_00073.jpg



Looking west at prunings on waterward berm.

LM Start	3.62	Rating **	M	Issue No.	6												
LM End	3.64	Issue Type +	Ob	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Slope Stability			38.454032 °	38.453680 °												
				-121.590025 °	-121.590173 °												
DWR ID	DWR_RD0999_01_s_2012_6																
Action/Comments																	
Repair slope instability. Inspector Comments: District Manager (Bob Webber) indicated that the area has a history of cracking and sloughing. District plans to repair site this summer. District repaired site without notifying the Dept. No compaction results provided. Unclear how site was repaired. Need more information about repair from district. During the fall inspection small cracks and sloughing were seen re-appearing on landside shoulder and slope.																	

Photo 1 of 2 : FA_2015_RD0999_232_6_20150914_00013.jpg



Looking north at sloughing on landside shoulder and slope.

LM Start	3.62	Rating **	M	Issue No.	6 (cont)	
LM End	3.64	Issue Type +	Ob	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_232_6_20150914_00014.jpg



Looking north at cracking and sloughing on landside shoulder and slope.

* Location
LS : Land Side
N/A : Not Applicable
WS : Water Side

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.07	Rating **	A/W	Issue No.	11		No Photos																			
LM End	4.07	Issue Type +	Ma	Location *	WS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.447772 °	38.447772 °																					
DWR ID	DWR_RD0999_01_s_2012_11																									
Action/Comments																										
Trim trees to at least five feet above ground level.																										

LM Start	4.16	Rating **	N	Issue No.	14		No Photos																			
LM End	4.16	Issue Type +	Ma	Location *	WS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.446619 °	38.446619 °																					
DWR ID	DWR_RD0999_01_s_2012_14																									
Action/Comments																										
Tree stumps.																										

LM Start	4.17	Rating **	N	Issue No.	15		No Photos																			
LM End	4.17	Issue Type +	Ma	Location *	WS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.446478 °	38.446478 °																					
DWR ID	DWR_RD0999_01_s_2012_15																									
Action/Comments																										
Tree stumps.																										

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.31	Rating **	M	Issue No.	35										
LM End	4.31	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Slope Stability			38.444561 °	38.444561 °										
				-121.594438 °	-121.594438 °										
DWR ID	DWR_RD0999_01_f_2012_35														
Action/Comments															
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Depression is caused by vehicle traffic.															

Photo 1 of 4 : FA_2015_RD0999_232_35_20150914_00042.jpg



Looking southeast at slope damage cause by vehicle traffic on landward slope. (Spring 2015)

Photo 2 of 4 : FA_2015_RD0999_232_35_20150914_00043.jpg



Looking south at slope damage cause by vehicle traffic on landward slope. (Spring 2015)

LM Start	4.31	Rating **	M	Issue No.	35 (cont)	
LM End	4.31	Issue Type +	Ma	Location *	LS	

Photo 3 of 4 : FA_2015_RD0999_232_35_20150914_00044.jpg



Looking north at slope damage caused by vehicle traffic.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.31	Rating **	M	Issue No.	35 (cont)										
LM End	4.31	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Slope Stability			38.444561 °	38.444561 °										
				-121.594438 °	-121.594438 °										
DWR ID	DWR_RD0999_01_f_2012_35														
Action/Comments															
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Depression is caused by vehicle traffic.															

Photo 4 of 4 : FA_2015_RD0999_232_35_20150914_00045.jpg



Looking east at slope damage on landside slope.

LM Start	4.31	Rating **	M	Issue No.	27										
LM End	4.31	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Slope Stability			38.444560 °	38.444560 °										
				-121.594440 °	-121.594440 °										
DWR ID	DWR_RD0999_01_f_2012_27														
Action/Comments															
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Local farmer causing slope damage by driving equipment and trucks on slope.															

Photo 1 of 3 : FA_2015_RD0999_232_27_20150914_00030.jpg



Looking west at slope damage cause by vehicle traffic on waterward slope. (Spring 2015)

LM Start	4.31	Rating **	M	Issue No.	27 (cont)	
LM End	4.31	Issue Type +	Ma	Location *	WS	

Photo 2 of 3 : FA_2015_RD0999_232_27_20150914_00031.jpg



Looking northwest at slope damage caused by vehicle traffic. (Fall 2014)

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.31	Rating **	M	Issue No.	27 (cont)															
LM End	4.31	Issue Type +	Ma	Location *	WS															
Category	Earthen Levee			GPS Latitude/Longitude																
				Start	End															
Item	Slope Stability			38.444560 °	38.444560 °															
				-121.594440 °	-121.594440 °															
DWR ID	DWR_RD0999_01_f_2012_27																			
Action/Comments																				
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Local farmer causing slope damage by driving equipment and trucks on slope.																				



Looking west at slope damage on waterside slope. (Spring 2014)

LM Start	4.36	Rating **	A/W	Issue No.	45															
LM End	4.36	Issue Type +	Ma	Location *	WS															
Category	Earthen Levee			GPS Latitude/Longitude																
				Start	End															
Item	Vegetation			°	°															
				°	°															
DWR ID	DWR_RD0999_01_f_2013_45																			
Action/Comments																				
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Landowner has planted cactus on waterward toe.																				



Looking west at cactus on waterward toe.

LM Start	4.57	Rating **	N	Issue No.	16															
LM End	4.57	Issue Type +	Ma	Location *	WS															
Category	Earthen Levee			GPS Latitude/Longitude																
				Start	End															
Item	Trim / Thin Trees			38.441063 °	38.441063 °															
				-121.596038 °	-121.596038 °															
DWR ID	DWR_RD0999_01_s_2012_16																			
Action/Comments																				
Tree stumps.																				

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.59	Rating **	N	Issue No.	17		No Photos		
LM End	4.59	Issue Type +	Ma	Location *	WS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Trim / Thin Trees			38.440748 °	38.440748 °				
				-121.596187 °	-121.596187 °				
DWR ID	DWR_RD0999_01_s_2012_17								
Action/Comments									
Tree stumps.									

LM Start	4.83	Rating **	M	Issue No.	5		No Photos		
LM End	4.85	Issue Type +	Ma	Location *	WS				
Category	Supplemental			GPS Latitude/Longitude					
				Start	End				
Item	2015 USACE Erosion Survey, DRAFT			38.437506 °	38.437296 °				
				-121.597707 °	-121.597803 °				
DWR ID	DWR_RD0999_01_s_2012_17								
Action/Comments									
Inspector Comments: 2006 - Slump failure of lower slope. Longitudinal cracks present along the levee slope. 2011 - Difficult to see due to overgrown vegetation. A small section of the levee has slumped. Sties DWS 5.0 and DWS 5.01 were combined. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: DWS_5-0_L]									

LM Start	5.18	Rating **	U	Issue No.	12		No Photos		
LM End	5.28	Issue Type +	Ma	Location *	CR				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Crown Surface / Depressions / Rutting			38.432700 °	38.431425 °				
				-121.599950 °	-121.600528 °				
DWR ID	DWR_RD0999_01_s_2012_12								
Action/Comments									
Add appropriate gravel or road base. Grade and compact.									

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.02	Rating **	M	Issue No.	41		No Photos								
LM End	6.48	Issue Type +	Ma	Location *	CR										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Crown Surface / Depressions / Rutting			38.421228 °	38.415043 °	-121.605263 °	-121.608115 °								
DWR ID	DWR_RD0999_01_s_2012_41														
Action/Comments															
Add appropriate gravel or road base. Grade and compact.															

LM Start	6.45	Rating **	A/W	Issue No.	52		No Photos								
LM End	6.45	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.415408 °	38.415408 °	-121.608002 °	-121.608002 °								
DWR ID	DWR_RD0999_01_s_2013_52														
Action/Comments															
Tree or limb Inspector Comments: Downed tree limbs on landside slope.															

LM Start	6.53	Rating **	A/W	Issue No.	18		Photo 1 of 2 : FA_2015_RD0999_232_18_20150914_00019.jpg								
LM End	6.58	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.414367 °	38.413698 °	-121.608430 °	-121.608762 °								
DWR ID	DWR_RD0999_01_s_2012_18														
Action/Comments															
Prunings Inspector Comments: Large pruning piles on landward shoulder. Part of pruning pile blocking levee crown.															



Looking south at pruning piles on landward shoulder. (Fall 2014)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.53	Rating **	A/W	Issue No.	18 (cont)							
LM End	6.58	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Encroachments			38.414367 °	38.413698 °							
				-121.608430 °	-121.608762 °							
DWR ID	DWR_RD0999_01_s_2012_18											
Action/Comments												
Prunings Inspector Comments: Large pruning piles on landward shoulder. Part of pruning pile blocking levee crown.												

Photo 2 of 2 : FA_2015_RD0999_232_18_20150914_00020.jpg



Looking northwest at large pruning piles on landward shoulder and slope. (Fall 2014)

LM Start	6.53	Rating **	M	Issue No.	38							
LM End	6.53	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Vegetation			38.414332 °	38.414332 °							
				-121.608413 °	-121.608413 °							
DWR ID	DWR_RD0999_01_f_2015_38											
Action/Comments												
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove young oleander from landward shoulder and slope.												

Photo 1 of 1 : FA_2015_RD0999_232_38_20151106_00088.jpg



Looking at oleander on landward shoulder.

LM Start	6.56	Rating **	M	Issue No.	42							
LM End	6.56	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Animal Control			38.413858 °	38.413858 °							
				-121.608638 °	-121.608638 °							
DWR ID	DWR_RD0999_01_s_2012_42											
Action/Comments												
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: More than five holes within 25' of levee.												

Photo 1 of 2 : FA_2015_RD0999_232_42_20150914_00052.jpg



Looking east at rodent holes on landside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections
Levee Inspection Report By Mile - Fall 2015
Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.56	Rating **	M	Issue No.	42 (cont)															
LM End	6.56	Issue Type +	Ma	Location *	LS															
Category	Earthen Levee			GPS Latitude/Longitude																
				Start	End															
Item	Animal Control			38.413858 °	38.413858 °															
				-121.608638 °	-121.608638 °															
DWR ID	DWR_RD0999_01_s_2012_42																			
Action/Comments																				
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: More than five holes within 25' of levee.																				

Photo 2 of 2 : FA_2015_RD0999_232_42_20150914_00053.jpg



Looking at typical rodent hole on landside slope.

LM Start	7.08	Rating **	M	Issue No.	22															
LM End	8.88	Issue Type +	Ma	Location *	CR															
Category	Earthen Levee			GPS Latitude/Longitude																
				Start	End															
Item	Crown Surface / Depressions / Rutting			38.406842 °	38.382338 °															
				-121.611897 °	-121.623343 °															
DWR ID	DWR_RD0999_01_s_2012_22																			
Action/Comments																				
Add appropriate gravel or road base. Grade and compact.																				

Photo 1 of 1 : FA_2015_RD0999_232_22_20150914_00025.jpg



Looking south at levee crown. (Spring 2015)

LM Start	8.15	Rating **	M	Issue No.	25															
LM End	8.15	Issue Type +	Ma	Location *	WS															
Category	Earthen Levee			GPS Latitude/Longitude																
				Start	End															
Item	Encroachments			38.392255 °	38.392255 °															
				-121.618709 °	-121.618709 °															
DWR ID	DWR_RD0999_01_s_2012_25																			
Action/Comments																				
Material Inspector Comments: Concrete rubble on waterside berm.																				

Photo 1 of 1 : FA_2015_RD0999_232_25_20150914_00028.jpg



Looking west at concrete rubble on waterside berm.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	9.19	Rating **	M	Issue No.	918										
LM End	9.25	Issue Type +	En	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.378161 °	38.377261 °											
			-121.625181 °	-121.625619 °											
DWR ID	DWR_RD0999_01_s_2012_918														
Action/Comments															
Fence Inspector Comments: Fence along landward shoulder.															

Photo 1 of 2 : FA_2015_RD0999_232_918_20150914_00077.jpg



Looking south at fence along landside shoulder.

LM Start	9.19	Rating **	M	Issue No.	918 (cont)	
LM End	9.25	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_232_918_20150914_00078.jpg



Looking north at fence along landside shoulder.

LM Start	9.30	Rating **	M	Issue No.	919										
LM End	9.73	Issue Type +	Ma	Location *	CR										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Crown Surface / Depressions / Rutting		38.376669 °	38.370762 °											
			-121.625896 °	-121.628640 °											
DWR ID	DWR_RD0999_01_s_2012_919														
Action/Comments															
Add appropriate material and re-grade the levee to bring the crown above the design elevation.															

Photo 1 of 2 : FA_2015_RD0999_232_919_20150914_00079.jpg



Looking south at levee crown. Spring 2015

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	9.30	Rating **	M	Issue No.	919 (cont)									
LM End	9.73	Issue Type +	Ma	Location *	CR									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Crown Surface / Depressions / Rutting		38.376669 °	38.370762 °										
			-121.625896 °	-121.628640 °										
DWR ID	DWR_RD0999_01_s_2012_919													
Action/Comments														
Add appropriate material and re-grade the levee to bring the crown above the design elevation.														

Photo 2 of 2 : FA_2015_RD0999_232_919_20150914_00080.jpg



Looking south at crown roadway. Spring 2014

LM Start	9.50	Rating **	M	Issue No.	923									
LM End	9.50	Issue Type +	En	Location *	CR									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study		38.373823 °	38.373823 °										
			-121.627212 °	-121.627212 °										
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:24413 DS_ID:22750 EP_NO: 13300 FS_HLM: 9.519 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee 3.0 feet below the crown. JP and meter at abandoned pump location on LS toe (Permit No. 13300, 1983). FS Date: 06/25/2013														

Photo 1 of 3 : UCIP_FA_2015_0596.jpg



JP and meter at site of abandoned pump.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	9.50	Rating **	M	Issue No.	923 (cont)												
LM End	9.50	Issue Type +	En	Location *	CR												
Category	Supplemental				GPS Latitude/Longitude												
					Start	End											
Item	DWR UCIP Field Study				38.373823 °	38.373823 °											
DWR ID					-121.627212 °	-121.627212 °											
Action/Comments																	
Inspector Comments: FS_ID:24413 DS_ID:22750 EP_NO: 13300 FS_HLM: 9.519 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee 3.0 feet below the crown. JP and meter at abandoned pump location on LS toe (Permit No. 13300, 1983). FS Date: 06/25/2013																	



LM Start	9.50	Rating **	M	Issue No.	923 (cont)				
LM End	9.50	Issue Type +	En	Location *	CR				



JP and meter at site of abandoned pump.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections
Levee Inspection Report By Mile - Fall 2015
Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	9.51	Rating **	M	Issue No.	47				
LM End	9.51	Issue Type +	Ma	Location *	WS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Encroachments			38.373740 °	38.373740 °				
				-121.627257 °	-121.627257 °				
DWR ID	DWR_RD0999_01_f_2015_47								
Action/Comments									
Pipe	Inspector Comments: Abandoned pipes at waterward toe.								

Photo 1 of 1 : FA_2015_RD0999_232_47_20151106_00089.jpg



Looking southwest at abandoned irrigation pipes at waterward toe.

LM Start	9.64	Rating **	M	Issue No.	56				
LM End	9.64	Issue Type +	En	Location *	WS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Encroachments			38.372002 °	38.372002 °				
				-121.628052 °	-121.628052 °				
DWR ID	DWR_RD0999_01_f_2015_56								
Action/Comments									
Crops	Inspector Comments: Landowner planted crops and installed poles and tool sheds on waterward berm without permit								

Photo 1 of 1 : FA_2015_RD0999_232_56_20151106_00090.jpg



Looking at west at crop, poles and tool sheds on waterward berm.

LM Start	9.75	Rating **	M	Issue No.	20				
LM End	9.94	Issue Type +	En	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Encroachments			38.370502 °	38.367903 °				
				-121.628975 °	-121.630017 °				
DWR ID	DWR_RD0999_01_s_2012_20								
Action/Comments									
Fence	Inspector Comments: Fence at landside shoulder.								

No Photos

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	9.87	Rating **	M	Issue No.	26										
LM End	9.87	Issue Type +	En	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.368898 °	38.368898 °										
				-121.629470 °	-121.629470 °										
DWR ID	DWR_RD0999_01_s_2012_26														
Action/Comments															
Landscaping Inspector Comments: Trees should be trimmed for visibility.															

Photo 1 of 1 : FA_2015_RD0999_232_26_20150914_00029.jpg



Looking northwest at dense trees on waterside slope.

LM Start	9.94	Rating **	M	Issue No.	920										
LM End	10.21	Issue Type +	Ma	Location *	CR										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Crown Surface / Depressions / Rutting			38.367831 °	38.364238 °										
				-121.629990 °	-121.631674 °										
DWR ID	DWR_RD0999_01_s_2012_920														
Action/Comments															
Add appropriate material and re-grade the levee to bring the crown above the design elevation.															

Photo 1 of 2 : FA_2015_RD0999_232_920_20150914_00081.jpg



Looking south at levee crown. (Spring 2015)

LM Start	9.94	Rating **	M	Issue No.	920 (cont)	
LM End	10.21	Issue Type +	Ma	Location *	CR	

Photo 2 of 2 : FA_2015_RD0999_232_920_20150914_00082.jpg



Looking south at crown roadway. (Spring 2014)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	9.95	Rating **	U	Issue No.	2										
LM End	9.95	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Animal Control		38.367750 °	38.367750 °											
			-121.630025 °	-121.630025 °											
DWR ID	DWR_RD0999_01_s_2012_2														
Action/Comments															
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several large rodent holes on landward shoulder.															

Photo 1 of 4 : FA_2015_RD0999_232_2_20151106_00091.jpg



Looking aouteast at rodent holes on landward shoulder fall 2015.

Photo 2 of 4 : FA_2015_RD0999_232_2_20151106_00092.jpg



Looking northeast at rodent holes on landward shoulder fall 2015.

LM Start	9.95	Rating **	U	Issue No.	2 (cont)	
LM End	9.95	Issue Type +	Ma	Location *	LS	

Photo 3 of 4 : FA_2015_RD0999_232_2_20150914_00006.jpg



Looking at typical rodent holes on landward shoulder. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	9.95	Rating **	U	Issue No.	2 (cont)												
LM End	9.95	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Animal Control			38.367750 °	38.367750 °												
				-121.630025 °	-121.630025 °												
DWR ID	DWR_RD0999_01_s_2012_2																
Action/Comments																	
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several large rodent holes on landward shoulder.																	

Photo 4 of 4 : FA_2015_RD0999_232_2_20150914_00007.jpg



Looking south at rodent hole on landside shoulder. (Fall 2014)

LM Start	10.08	Rating **	M	Issue No.	924												
LM End	10.08	Issue Type +	En	Location *	LS												
Category	Supplemental			GPS Latitude/Longitude													
				Start	End												
Item	DWR UCIP Field Study			38.366030 °	38.366030 °												
				-121.630811 °	-121.630811 °												
DWR ID	DWR_RD0999_01_f_2015_924																
Action/Comments																	
Inspector Comments: FS_ID: 24414 DS_ID: 22751 EP_NO: 5541 FS_HLM: 10.09 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 2: 10-inch pipe through the levee 2.0 feet below the crown (Permit No. 5541, 1967). Could not find 2/91. Electromagnetic survey indicates pipe at this location. FS Date: 06/25/2013							No Photos										

No Photos

LM Start	10.33	Rating **	M	Issue No.	57												
LM End	10.65	Issue Type +	En	Location *	WS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Encroachments			38.362528 °	38.358175 °												
				-121.632517 °	-121.634490 °												
DWR ID	DWR_RD0999_01_f_2015_57																
Action/Comments																	
Equipment Inspector Comments: Farm equipment stored at waterward toe.																	

Photo 1 of 1 : FA_2015_RD0999_232_57_20151106_00093.jpg



Looking southwest at farm equipment stored at waterward berm.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/W : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	10.57	Rating **	M	Issue No.	28													
LM End	10.57	Issue Type +	En	Location *	WS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Encroachments			38.359305 °	38.359305 °													
				-121.633949 °	-121.633949 °													
DWR ID	DWR_RD0999_01_s_2012_28																	
Action/Comments																		
Garbage Inspector Comments: Large garbage and pruning piles on waterward berm.																		

Photo 1 of 2 : FA_2015_RD0999_232_28_20151106_00094.jpg



Looking west at garbage pile on waterward berm fall 2015.

LM Start	10.57	Rating **	M	Issue No.	28 (cont)	
LM End	10.57	Issue Type +	En	Location *	WS	

Photo 2 of 2 : FA_2015_RD0999_232_28_20150914_00033.jpg



Looking southwest at garbage on waterside toe and berm.

LM Start	10.75	Rating **	A/W	Issue No.	61													
LM End	10.75	Issue Type +	Ma	Location *	WS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Encroachments			38.356844 °	38.356844 °													
				-121.635101 °	-121.635101 °													
DWR ID	DWR_RD0999_01_f_2014_61																	
Action/Comments																		
Tree or limb Inspector Comments: Downed tree on waterward slope has been removed, but should be monitored.																		

Photo 1 of 1 : FA_2015_RD0999_232_61_20150914_00070.jpg



Looking southwest at downed tree on waterward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	10.81	Rating **	A/W	Issue No.	23										
LM End	11.06	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.356077 °	38.352640 °										
				-121.635598 °	-121.637078 °										
DWR ID	DWR_RD0999_01_s_2012_23														
Action/Comments															
Trim trees to at least five feet above ground level.															

Photo 1 of 2 : FA_2015_RD0999_232_23_20150914_00026.jpg



Looking south at trimmed pine trees on waterside shoulder and slope.
(Spring 2012)

LM Start	10.81	Rating **	A/W	Issue No.	23 (cont)	
LM End	11.06	Issue Type +	Ma	Location *	WS	

Photo 2 of 2 : FA_2015_RD0999_232_23_20150914_00027.jpg



Pine trees along waterside shoulder & slope. (Site of a old christmas tree farm). (Spring 2011)

LM Start	11.07	Rating **	M	Issue No.	67							
LM End	11.07	Issue Type +	En	Location *	WS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Encroachments			38.352552 °	38.352552 °							
				-121.637089 °	-121.637089 °							
DWR ID	DWR_RD0999_01_s_2014_67											
Action/Comments												
Prunings												

Photo 1 of 1 : FA_2015_RD0999_232_67_20150914_00076.jpg



Looking west at pruning piles on waterward berm.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	11.30	Rating **	M	Issue No.	43							
LM End	11.66	Issue Type +	Ma	Location *	CR	No Photos						
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Crown Surface / Depressions / Rutting		38.349380 °	38.344455 °	-121.638540 °	-121.640845 °						
DWR ID	DWR_RD0999_01_s_2012_43											
Action/Comments												
Add appropriate gravel or road base. Grade and compact.												

LM Start	11.84	Rating **	M	Issue No.	48							
LM End	11.84	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Slope Stability		38.342068 °	38.342068 °	-121.641944 °	-121.641944 °						
DWR ID	DWR_RD0999_01_f_2012_48											
Action/Comments												
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Slope damage caused by vehicle traffic.												

Photo 1 of 2 : FA_2015_RD0999_232_48_20150914_00059.jpg



Looking southwest at slope damage caused by vehicle traffic. 2013

LM Start	11.84	Rating **	M	Issue No.	48 (cont)	
LM End	11.84	Issue Type +	Ma	Location *	WS	

Photo 2 of 2 : FA_2015_RD0999_232_48_20150914_00060.jpg



Looking southwest at slope damage caused by vehicle traffic on waterside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	12.16	Rating **	M	Issue No.	19													
LM End	12.61	Issue Type +	Ma	Location *	CR	No Photos												
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Crown Surface / Depressions / Rutting			38.337567 °	38.331138 °													
				-121.643538 °	-121.644781 °													
DWR ID	DWR_RD0999_01_f_2014_19																	
Action/Comments																		
Repair depressions or ruts in the crown or slope.																		

LM Start	12.28	Rating **	U	Issue No.	925													
LM End	12.28	Issue Type +	En	Location *	CR													
Category	Supplemental			GPS Latitude/Longitude														
				Start	End													
Item	DWR UCIP Field Study			38.335834 °	38.335834 °													
				-121.643977 °	-121.643977 °													
DWR ID																		
Action/Comments																		
Inspector Comments: FS_ID:41785 DS_ID:22752 EP_NO: 11735 FS_HLM: 12.293 Repair Type: Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Pipe exposed in cut on on WS slope and open at LS toe. No pump or appurtenances. FIELD_STRUCT_DESC: 24-inch steel pipe through the levee 7.0 feet below the crown. Pump in drain ditch on the landward side with a sheetpile headwall. Flap gate on the waterward end. Siphon breaker in riser on the landward slope (Permit No. 11735, 1978). Replaced an existing pipe. FS Date: 06/25/2013																		

Photo 1 of 2 : UCIP_FA_2015_1008.jpg



Siphon breaker in CMP riser on LS shoulder.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	12.28	Rating **	U	Issue No.	925 (cont)									
LM End	12.28	Issue Type +	En	Location *	CR									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.335834 °	38.335834 °									
				-121.643977 °	-121.643977 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:41785 DS_ID:22752 EP_NO: 11735 FS_HLM: 12.293 Repair Type: Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Pipe exposed in cut on WS slope and open at LS toe. No pump or appurtenances. FIELD_STRUCT_DESC: 24-inch steel pipe through the levee 7.0 feet below the crown. Pump in drain ditch on the landward side with a sheetpile headwall. Flap gate on the waterward end. Siphon breaker in riser on the landward slope (Permit No. 11735, 1978). Replaced an existing pipe. FS Date: 06/25/2013														



Pipe visible in exposed cut on WS slope.

LM Start	12.53	Rating **	M	Issue No.	21									
LM End	12.60	Issue Type +	Ma	Location *	CR									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Crown Surface / Depressions / Rutting			38.332288 °	38.331247 °									
				-121.644640 °	-121.644765 °									
DWR ID	DWR_RD0999_01_s_2012_21													
Action/Comments														
Add appropriate gravel or road base. Grade and compact. Inspector Comments: Ruts have been fixed, but need to add appropriate gravel or road base.														



Looking south at graded levee crown.(Fall 2014)

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	12.93	Rating **	A/W	Issue No.	24		No Photos	
LM End	13.55	Issue Type +	Ma	Location *	CR			
Category	Earthen Levee			GPS Latitude/Longitude				
				Start	End			
Item	Crown Surface / Depressions / Rutting			38.326433 °	38.317400 °			
DWR ID	DWR_RD0999_01_s_2012_24			-121.644960 °	-121.644920 °			
		Action/Comments						
Add appropriate material and re-grade the levee to bring the crown above the design elevation.								

LM Start	13.06	Rating **	M	Issue No.	926		No Photos	
LM End	13.06	Issue Type +	En	Location *	CR			
Category	Supplemental			GPS Latitude/Longitude				
				Start	End			
Item	DWR UCIP Field Study			38.324535 °	38.324535 °			
DWR ID				-121.644958 °	-121.644958 °			
		Action/Comments						
Inspector Comments: FS_ID:24426 DS_ID:22754 EP_NO: N/A FS_HLM: 13.075 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe appears abandoned in place and if so should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 12-inch pipe through levee 5.0 feet below crown. Located 4 feet downstream from a power pole on the landside. Pipe is open on the landside. Not located on the waterward side. Landside toe pipe is crushed not plated. Not found 06/2013. Located by electromagnetic detector at this location. FS Date: 06/25/2013								

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	13.46	Rating **	M	Issue No.	59										
LM End	13.46	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.318717 °	38.318717 °										
				-121.644955 °	-121.644955 °										
DWR ID	DWR_RD0999_01_s_2015_59														
Action/Comments															
Prunings Inspector Comments: Pruning pile on landward berm.															

Photo 1 of 1 : FA_2015_RD0999_232_59_20150914_00069.jpg



Looking east at pruning pile on landward berm.

LM Start	13.49	Rating **	M	Issue No.	60										
LM End	13.49	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.318388 °	38.318388 °										
				-121.644958 °	-121.644958 °										
DWR ID	DWR_RD0999_01_s_2015_60														
Action/Comments															
Prunings Inspector Comments: Pruning pile on waterward toe and berm.															

No Photos

LM Start	13.79	Rating **	A/W	Issue No.	63										
LM End	13.79	Issue Type +	En	Location *	CR										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.314006 °	38.314006 °										
				-121.644961 °	-121.644961 °										
DWR ID	DWR_RD0999_01_s_2015_63														
Action/Comments															
Equipment Inspector Comments: Landowner or farmer stored a land plane leveler in the middle of levee crown. The equipment is blocking access.															

Photo 1 of 1 : FA_2015_RD0999_232_63_20150914_00071.jpg



Looking south at farm equipment (land plane leveler) left on levee crown. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	14.04	Rating **	U	Issue No.	49							
LM End	14.04	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Erosion / Bank Caving		38.310347 °	38.310347 °	-121.644955 °	-121.644955 °						
DWR ID	DWR_RD0999_01_f_2012_49											
Action/Comments												
Note and monitor erosion site. Inspector Comments: Caving, 4' x 10', on landside slope.												

Photo 1 of 4 : FA_2015_RD0999_232_49_20151106_00095.jpg



Looking southeast at caving on landward slope fall 2015.

LM Start	14.04	Rating **	U	Issue No.	49 (cont)	
LM End	14.04	Issue Type +	Ma	Location *	LS	

Photo 2 of 4 : FA_2015_RD0999_232_49_20150914_00061.jpg



Looking east at caving on landward shoulder and slope. (Spring 2015)

LM Start	14.04	Rating **	U	Issue No.	49 (cont)	
LM End	14.04	Issue Type +	Ma	Location *	LS	

Photo 3 of 4 : FA_2015_RD0999_232_49_20150914_00062.jpg



Looking southeast at caving on landside slope.

Flood Control Project Maintenance
Levee Inspections
Levee Inspection Report By Mile - Fall 2015
Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	14.04	Rating **	U	Issue No.	49 (cont)									
LM End	14.04	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Erosion / Bank Caving			38.310347 °	38.310347 °									
				-121.644955 °	-121.644955 °									
DWR ID	DWR_RD0999_01_f_2012_49													
Action/Comments														
Note and monitor erosion site. Inspector Comments: Caving, 4' x 10', on landside slope.														

Photo 4 of 4 : FA_2015_RD0999_232_49_20150914_00063.jpg



Looking east caving on landside slope.

LM Start	14.33	Rating **	A/W	Issue No.	44									
LM End	15.17	Issue Type +	Ma	Location *	CR									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Crown Surface / Depressions / Rutting			38.306113 °	38.293917 °									
				-121.644942 °	-121.644958 °									
DWR ID	DWR_RD0999_01_s_2012_44													
Action/Comments														
Add appropriate material and re-grade the levee to bring the crown above the design elevation. Inspector Comments: Control growth on levee crown.														

Photo 1 of 1 : FA_2015_RD0999_232_44_20150914_00054.jpg



Looking south at growth on levee crown.

LM Start	15.27	Rating **	M	Issue No.	39									
LM End	15.41	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.292578 °	38.290525 °									
				-121.644972 °	-121.644902 °									
DWR ID	DWR_RD0999_01_s_2012_39													
Action/Comments														
Fence Inspector Comments: Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit for fence. Landowner added additional fencing on landward shoulder and slope.														

Photo 1 of 3 : FA_2015_RD0999_232_39_20150914_00046.jpg



Looking east at new fencing on landward shoulder and slope. (Spring 2015)

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	15.27	Rating **	M	Issue No.	39 (cont)													
LM End	15.41	Issue Type +	En	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Encroachments			38.292578 °	38.290525 °													
				-121.644972 °	-121.644902 °													
DWR ID	DWR_RD0999_01_s_2012_39																	
Action/Comments																		
Fence Inspector Comments: Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit for fence. Landowner added additional fencing on landward shoulder and slope.																		

Photo 2 of 3 : FA_2015_RD0999_232_39_20150914_00047.jpg



Looking north at fence along landside slope.

LM Start	15.27	Rating **	M	Issue No.	39 (cont)	
LM End	15.41	Issue Type +	En	Location *	LS	

Photo 3 of 3 : FA_2015_RD0999_232_39_20150914_00048.jpg



Looking south at fence along landside slope.

LM Start	15.27	Rating **	A/W	Issue No.	33							
LM End	15.27	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Trim / Thin Trees			38.292544 °	38.292544 °							
				-121.644960 °	-121.644960 °							
DWR ID	DWR_RD0999_01_s_2012_33											
Action/Comments												
Trim trees to at least five feet above ground level.												

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	15.30	Rating **	A/W	Issue No.	62																		
LM End	15.30	Issue Type +	Ma	Location *	LS				No Photos														
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Trim / Thin Trees			38.292030 °	38.292030 °																		
				-121.644971 °	-121.644971 °																		
DWR ID	DWR_RD0999_01_f_2014_62																						
Action/Comments																							
Thin trees to allow visibility of the ground and room to flood fight.																							

LM Start	15.33	Rating **	M	Issue No.	50																		
LM End	15.33	Issue Type +	Ma	Location *	LS																		
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Encroachments			38.291663 °	38.291663 °																		
				-121.644962 °	-121.644962 °																		
DWR ID	DWR_RD0999_01_f_2012_50																						
Action/Comments																							
Tree or limb Inspector Comments: Newly planted palm trees on landside shoulder.																							

Photo 1 of 3 : FA_2015_RD0999_232_50_20150914_00064.jpg



Looking northeast at a mature palm trees on landward shoulder and slope. (Spring 2015)

Photo 2 of 3 : FA_2015_RD0999_232_50_20150914_00065.jpg



Looking east at a maturing palm trees on landward shoulder and slope. (Fall 2014)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	15.33	Rating **	M	Issue No.	50 (cont)															
LM End	15.33	Issue Type +	Ma	Location *	LS															
Category	Earthen Levee			GPS Latitude/Longitude																
				Start	End															
Item	Encroachments			38.291663 °	38.291663 °															
				-121.644962 °	-121.644962 °															
DWR ID	DWR_RD0999_01_f_2012_50																			
Action/Comments																				
Tree or limb Inspector Comments: Newly planted palm trees on landside shoulder.																				

Photo 3 of 3 : FA_2015_RD0999_232_50_20150914_00066.jpg



Looking east at newly planted palm trees on landside shoulder and slope.

LM Start	15.36	Rating **	M	Issue No.	927												
LM End	15.36	Issue Type +	En	Location *	LS												
Category	Supplemental			GPS Latitude/Longitude													
				Start	End												
Item	DWR UCIP Field Study			38.291192 °	38.291192 °												
				-121.644987 °	-121.644987 °												
DWR ID																	
Action/Comments																	
Inspector Comments: FS_ID:16330 DS_ID:23970 EP_NO: N/A FS_HLM: 15.374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch PVC waterline through the levee 2-feet below the crown. Pump off WS toe visible at waters edge. FS Date: 06/25/2013																	

Photo 1 of 3 : UCIP_FA_2015_1482.jpg



Pipe visible on LS toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass						Left	15.41	11/02/2015 11/04/2015	Richard Willoughby

LM Start	15.36	Rating **	M	Issue No.	927 (cont)																			
LM End	15.36	Issue Type +	En	Location *	LS																			
Category				GPS Latitude/Longitude																				
				Start	End																			
Item				38.291192 °	38.291192 °																			
				-121.644987 °	-121.644987 °																			
DWR ID																								
Action/Comments																								
Inspector Comments: FS_ID:16330 DS_ID:23970 EP_NO: N/A FS_HLM: 15.374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch PVC waterline through the levee 2-feet below the crown. Pump off WS toe visible at waters edge. FS Date: 06/25/2013																								



Possible pump visible off WS toe at waters edge.

LM Start	15.36	Rating **	M	Issue No.	927 (cont)				
LM End	15.36	Issue Type +	En	Location *	LS				



Pipe visible at WS toe in grass.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/W : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway			Bank	Unit Miles
Unit No. 02 Miner Slough			Right	2.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/24/2015 - 03/24/2015		11/02/2015 - 11/02/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.01	Rating **	M	Issue No.	17										
LM End	0.06	Issue Type +	En	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.290355 °	38.290472 °											
			-121.644713 °	-121.643888 °											
DWR ID	DWR_RD0999_02_s_2012_17														
Action/Comments															
Fence Inspector Comments: Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit to keep fence.															

Photo 1 of 2 : FA_2015_RD0999_233_17_20150914_00018.jpg



Looking west at fence along landside slope.

LM Start	0.01	Rating **	M	Issue No.	17 (cont)	
LM End	0.06	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_233_17_20150914_00019.jpg



Looking northeast at fence along landside shoulder.

LM Start	0.16	Rating **	C	Issue No.	18										
LM End	0.16	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.290793 °	38.290793 °											
			-121.642100 °	-121.642100 °											
DWR ID	DWR_RD0999_02_s_2012_18														
Action/Comments															
Prunings															

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.18	Rating **	U	Issue No.	24				
LM End	0.18	Issue Type +	En	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Encroachments			38.290871 °	38.290871 °				
				-121.641755 °	-121.641755 °				
DWR ID	DWR_RD0999_02_f_2013_24						Action/Comments		
Building	Inspector Comments: Adandoned building on landward toe and berm.								

Photo 1 of 2 : FA_2015_RD0999_233_24_20150914_00029.jpg



Looking southwest at abandoned building on landward berm.

LM Start	0.18	Rating **	U	Issue No.	24 (cont)	
LM End	0.18	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_233_24_20150914_00030.jpg



Looking west at abandoned building on landward berm.

LM Start	0.18	Rating **	A/W	Issue No.	25				
LM End	0.18	Issue Type +	Ma	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Vegetation			38.290866 °	38.290866 °				
				-121.641650 °	-121.641650 °				
DWR ID	DWR_RD0999_02_f_2013_25						Action/Comments		
Remove the wild growth other than native grasses from the levee slopes.									

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.18	Rating **	C	Issue No.	35		No Photos								
LM End	0.18	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.290866 °	38.290866 °										
				-121.641653 °	-121.641653 °										
DWR ID	DWR_RD0999_02_f_2014_35														
Action/Comments															
Tree or limb Inspector Comments: Discarded tree limbs on landward shoulder and slope has been removed.															

LM Start	0.21	Rating **	U	Issue No.	1		Photo 1 of 2 : FA_2015_RD0999_233_1_20150914_00001.jpg								
LM End	0.21	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.290859 °	38.290859 °										
				-121.641220 °	-121.641220 °										
DWR ID	DWR_RD0999_02_f_2012_1														
Action/Comments															
Building Inspector Comments: Dilapidated building at landside toe.															



Looking northwest at dilapidated building on landside toe. Spring 2013

LM Start	0.21	Rating **	U	Issue No.	1 (cont)	
LM End	0.21	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_233_1_20150914_00002.jpg



Looking northwest at dilapidated building at landside toe.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.23	Rating **	M	Issue No.	12		No Photos																			
LM End	0.23	Issue Type +	Ma	Location *	LS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.290787 °	38.290787 °																					
DWR ID	DWR_RD0999_02_s_2012_12																									
Action/Comments																										
Thin trees to allow visibility of the ground and room to flood fight.																										

LM Start	0.54	Rating **	M	Issue No.	43		No Photos																			
LM End	0.54	Issue Type +	Ma	Location *	WS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.291440 °	38.291440 °																					
DWR ID	DWR_RD0999_02_f_2015_43																									
Action/Comments																										
Trim trees to at least five feet above ground level.																										

LM Start	0.64	Rating **	M	Issue No.	44		No Photos																			
LM End	0.64	Issue Type +	Ma	Location *	WS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.292028 °	38.292028 °																					
DWR ID	DWR_RD0999_02_f_2015_44																									
Action/Comments																										
Trim trees to at least five feet above ground level.																										

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.73	Rating **	U	Issue No.	37										
LM End	0.73	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.292783 °	38.292783 °										
				-121.632317 °	-121.632317 °										
DWR ID	DWR_RD0999_02_s_2014_37														
Action/Comments															
Trim trees to at least five feet above ground level.															

Photo 1 of 1 : FA_2015_RD0999_233_37_20151106_00045.jpg



Looking east at untrimmed tree on landward slope.

LM Start	0.76	Rating **	M	Issue No.	26										
LM End	0.78	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.292668 °	38.292613 °										
				-121.631755 °	-121.631542 °										
DWR ID	DWR_RD0999_02_f_2013_26														
Action/Comments															
Trim trees to at least five feet above ground level.															

No Photos

* Location
LS : Land Side
N/A : Not Applicable
WS : Water Side

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.79	Rating **	M	Issue No.	45	Action/Comments						
LM End	0.79	Issue Type +	En	Location *	WS							
Category	Supplemental				GPS Latitude/Longitude							
					Start	End						
Item	DWR UCIP Field Study				38.292562 °	38.292562 °						
					-121.631331 °	-121.631331 °						
DWR ID												
Inspector Comments: FS_ID:15384 DS_ID:22772 EP_NO: N/A FS_HLM: 0.78 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on both ends. Pumphouse has been removed. Needs to be abandoned properly. FIELD_STRUCT_DESC: "Abandoned" 8-inch pipe through levee 4.5 feet below crown. Abandoned pump house on the waterward slope. Originally included in the 1966 O&M manual. FS Date: 06/27/2013												



Damaged pipe on LS slope.

LM Start	0.79	Rating **	M	Issue No.	45 (cont)	Action/Comments			
LM End	0.79	Issue Type +	En	Location *	WS				



Concrete pad on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.79	Rating **	M	Issue No.	45 (cont)									
LM End	0.79	Issue Type +	En	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.292562 °	38.292562 °									
				-121.631331 °	-121.631331 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15384 DS_ID:22772 EP_NO: N/A FS_HLM: 0.78 Repair Type: Non-Urgent Crossing Status: Found														

Photo 3 of 3 : UCIP_FA_2015_0980.jpg

06/27/2013 08:42
Pipe visible at concrete pad on WS slope.

LM Start	0.82	Rating **	U	Issue No.	14									
LM End	0.82	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Vegetation			38.292439 °	38.292439 °									
				-121.630781 °	-121.630781 °									
DWR ID	DWR_RD0999_02_f_2012_14													
Action/Comments														
Remove the wild growth other than native grasses from the levee slopes.														
Inspector Comments: Century plant on landside slope.														

Photo 1 of 2 : FA_2015_RD0999_233_14_20151106_00043.jpg



Looking north at century plant at landward toe fall 2015.

LM Start	0.82	Rating **	U	Issue No.	14 (cont)	
LM End	0.82	Issue Type +	Ma	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_233_14_20150914_00015.jpg



Looking north at century plant at landside toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.83	Rating **	U	Issue No.	19										
LM End	0.83	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.292386 °	38.292386 °										
				-121.630543 °	-121.630543 °										
DWR ID	DWR_RD0999_02_f_2012_19														
Action/Comments															
Thin trees to allow visibility of the ground and room to flood fight.															

Photo 1 of 2 : FA_2015_RD0999_233_19_20151106_00046.jpg



Looking north at untrimmed and trees to be thinned at landward toe fall 2015.

LM Start	0.83	Rating **	U	Issue No.	19 (cont)	
LM End	0.83	Issue Type +	Ma	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_233_19_20150914_00022.jpg



Looking west at dense trees on landside slope and toe.

LM Start	0.84	Rating **	M	Issue No.	13										
LM End	0.84	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.292352 °	38.292352 °										
				-121.630452 °	-121.630452 °										
DWR ID	DWR_RD0999_02_s_2012_13														
Action/Comments															
Tree or limb															

Photo 1 of 1 : FA_2015_RD0999_233_13_20150914_00014.jpg



Looking northwest at tree limb on landside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.93	Rating **	M	Issue No.	2												
LM End	1.03	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee		GPS Latitude/Longitude														
			Start	End													
Item	Animal Control		38.291823 °	38.291250 °													
			-121.628973 °	-121.627285 °													
DWR ID	DWR_RD0999_02_s_2012_2																
Action/Comments																	
Exterminate rodents and backfill and compact or grout burrows.																	

Photo 1 of 1 : FA_2015_RD0999_233_2_20150914_00003.jpg



Looking at several rodent holes on landside slope.

LM Start	0.93	Rating **	M	Issue No.	46												
LM End	0.93	Issue Type +	En	Location *	LS												
Category	Supplemental		GPS Latitude/Longitude														
			Start	End													
Item	DWR UCIP Field Study		38.291739 °	38.291739 °													
			-121.628873 °	-121.628873 °													
DWR ID																	
Action/Comments																	
Inspector Comments: FS_ID:15385 DS_ID:22773 EP_NO: N/A FS_HLM: 0.93 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: *Abandoned* 10-inch steel irrigation pipe through levee 4.9 feet below crown. Capped on both ends. Originally included in the 1966 O&M manual. FS Date: 06/27/2013																	

Photo 1 of 3 : UCIP_FA_2015_0981.jpg



06.27.2013 09:53

Pipe with welded steel plate over end

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.93	Rating **	M	Issue No.	46 (cont)									
LM End	0.93	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.291739 °	38.291739 °									
				-121.628873 °	-121.628873 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15385 DS_ID:22773 EP_NO: N/A FS_HLM: 0.93 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: *Abandoned* 10-inch steel irrigation pipe through levee 4.9 feet below crown. Capped on both ends. Originally included in the 1966 O&M manual. FS Date: 06/27/2013														



LM Start	0.93	Rating **	M	Issue No.	46 (cont)	
LM End	0.93	Issue Type +	En	Location *	LS	

Pipe with welded steel plate over end visible on LS



Pipe with welded steel plate over end visible on WS

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/W : Acceptable but Monitor & Maintain

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.96	Rating **	M	Issue No.	39		No Photos														
LM End	1.01	Issue Type +	Ma	Location *	LS																
Category	Earthen Levee			GPS Latitude/Longitude																	
				Start	End																
Item	Trim / Thin Trees			38.291603 °	38.291292 °																
				-121.628485 °	-121.627577 °																
DWR ID	DWR_RD0999_02_f_2014_39																				
Action/Comments																					
Trim trees to at least five feet above ground level.																					

LM Start	1.02	Rating **	M	Issue No.	47		Photo 1 of 3 : UCIP_FA_2015_1485.jpg													
LM End	1.02	Issue Type +	En	Location *	LS															
Category	Supplemental			GPS Latitude/Longitude																
				Start	End															
Item	DWR UCIP Field Study			38.291252 °	38.291252 °															
				-121.627398 °	-121.627398 °															
DWR ID																				
Action/Comments																				
Inspector Comments: FS_ID:16331 DS_ID:23961 EP_NO: N/A FS_HLM: 1.013 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: Gasline through the levee at an unknown depth. Markers on both shoulders. FS Date: 06/27/2013																				



Gasline marker on WS shoulder.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.02	Rating **	M	Issue No.	47 (cont)									
LM End	1.02	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.291252°	38.291252°									
				-121.627398°	-121.627398°									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16331 DS_ID:23961 EP_NO: N/A FS_HLM: 1.013 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: Gasline through the levee at an unknown depth. Markers on both shoulders. FS Date: 06/27/2013														



Gasline marker on LS toe.

LM Start	1.02	Rating **	M	Issue No.	47 (cont)	
LM End	1.02	Issue Type +	En	Location *	LS	



Gasline marker on LS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/W : Acceptable but Monitor & Maintain Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.04	Rating **	M	Issue No.	20		No Photos						
LM End	1.53	Issue Type +	Ma	Location *	CR								
Category	Earthen Levee			GPS Latitude/Longitude									
				Start	End								
Item	Crown Surface / Depressions / Rutting			38.291206 °	38.290915 °								
DWR ID	DWR_RD0999_02_f_2012_20												
Action/Comments													
Add appropriate material and re-grade the levee to bring the crown above the design elevation.													

LM Start	1.15	Rating **	M	Issue No.	40		No Photos						
LM End	1.15	Issue Type +	Ma	Location *	WS								
Category	Earthen Levee			GPS Latitude/Longitude									
				Start	End								
Item	Trim / Thin Trees			38.291069 °	38.291069 °								
DWR ID	DWR_RD0999_02_f_2014_40												
Action/Comments													
Trim trees to at least five feet above ground level.													

LM Start	1.19	Rating **	M	Issue No.	41		Photo 1 of 1 : FA_2015_RD0999_233_41_20150914_00034.jpg						
LM End	1.19	Issue Type +	Ma	Location *	LS								
Category	Earthen Levee			GPS Latitude/Longitude									
				Start	End								
Item	Vegetation			38.291185 °	38.291185 °								
DWR ID	DWR_RD0999_02_f_2014_41												
Action/Comments													
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense wild roses on landward slope.													



Looking north at moderate vegetation on landward slope and toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.25	Rating **	M	Issue No.	48																	
LM End	1.25	Issue Type +	En	Location *	LS																	
Category	Supplemental				GPS Latitude/Longitude																	
					Start	End																
Item	DWR UCIP Field Study				38.291379 °	38.291379 °																
					-121.623285 °	-121.623285 °																
DWR ID																						
Action/Comments																						
Inspector Comments: FS_ID:16333 DS_ID:23962 EP_NO: N/A FS_HLM: 1.239 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: 16-inch steel stormdrain through the levee 3-feet below the crown with a pump in a pumphouse on the LS toe. Siphon breaker in a 24-inch steel riser on WS. PN 17064, 1999. FS Date: 06/27/2013																						



LM Start	1.25	Rating **	M	Issue No.	48 (cont)				
LM End	1.25	Issue Type +	En	Location *	LS				



Pumphouse off LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/W : Design & System Obsolescence E : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.25	Rating **	M	Issue No.	48 (cont)									
LM End	1.25	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.291379 °	38.291379 °									
				-121.623285 °	-121.623285 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16333 DS_ID:23962 EP_NO: N/A FS_HLM: 1.239 Repair Type: Non-Urgent Crossing Status: Found														

Photo 3 of 3 : UCIP_FA_2015_1351.jpg



LM Start	1.25	Rating **	M	Issue No.	49									
LM End	1.25	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.291381 °	38.291381 °									
				-121.623268 °	-121.623268 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16334 DS_ID:23963 EP_NO: N/A FS_HLM: 1.241 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No. for this crossing. FIELD_STRUCT_DESC: 30-inch steel stormdrain through the levee 2.5-feet below the crown with a pump in a pumphouse on the LS toe. Siphon breaker in a 24-inch steel riser on WS. Permit No. 17064, 1999 FS Date: 06/27/2013														

Photo 1 of 3 : UCIP_FA_2015_1352.jpg



Pumphouse on LS toe with trash rack.

* Location	** Rating
LS : Land Side	A : Acceptable
WS : Water Side	M : Minimally Acceptable
CR : Crown	U : Unacceptable

N/A : Not Applicable	N : Not Inspected/Rated
	C : Corrected
	A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.25	Rating **	M	Issue No.	49 (cont)									
LM End	1.25	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.291381 °	38.291381 °									
				-121.623268 °	-121.623268 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16334 DS_ID:23963 EP_NO: N/A FS_HLM: 1.241 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No. for this crossing. FIELD_STRUCT_DESC: 30-inch steel stormdrain through the levee 2.5-feet below the crown with a pump in a pumphouse on the LS toe. Siphon breaker in a 24-inch steel riser on WS. Permit No. 17064, 1999 FS Date: 06/27/2013														



Pumphouse on LS toe.

LM Start	1.25	Rating **	M	Issue No.	49 (cont)	
LM End	1.25	Issue Type +	En	Location *	LS	



Siphon breaker on WS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.67	Rating **	U	Issue No.	3										
LM End	1.68	Issue Type +	En	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.290287 °	38.290217 °											
			-121.615668 °	-121.615460 °											
DWR ID	DWR_RD0999_02_s_2012_3														
Action/Comments															
Building Inspector Comments: Old abandoned storage shed on landward toe and berm.															

Photo 1 of 2 : FA_2015_RD0999_233_3_20150914_00004.jpg



Looking North at building at landside toe.

LM Start	1.67	Rating **	U	Issue No.	3 (cont)	
LM End	1.68	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_233_3_20150914_00005.jpg



Looking northeast at building at landside toe.

LM Start	1.68	Rating **	M	Issue No.	5										
LM End	1.68	Issue Type +	En	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.290248 °	38.290248 °											
			-121.615560 °	-121.615560 °											
DWR ID	DWR_RD0999_02_s_2012_5														
Action/Comments															
Tree or limb															

Photo 1 of 1 : FA_2015_RD0999_233_5_20150914_00006.jpg



Looking east at tree limbs on landward shoulder and slope. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.68	Rating **	U	Issue No.	28										
LM End	1.68	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.290260 °	38.290260 °										
				-121.615473 °	-121.615473 °										
DWR ID	DWR_RD0999_02_f_2013_28														
Action/Comments															
Building Inspector Comments: Abandoned pump house on landward toe.															

Photo 1 of 1 : FA_2015_RD0999_233_28_20150914_00031.jpg



Looking northeast at abandoned pump house on landward toe.

LM Start	1.69	Rating **	U	Issue No.	10										
LM End	1.69	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.290195 °	38.290195 °										
				-121.615268 °	-121.615268 °										
DWR ID	DWR_RD0999_02_s_2012_10														
Action/Comments															
Tank															

Photo 1 of 1 : FA_2015_RD0999_233_10_20150914_00012.jpg



Looking north at a tank on the landside slope and toe.

LM Start	1.70	Rating **	U	Issue No.	11										
LM End	1.70	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.290171 °	38.290171 °										
				-121.615260 °	-121.615260 °										
DWR ID	DWR_RD0999_02_s_2012_11														
Action/Comments															
Trim trees to at least five feet above ground level.															

Photo 1 of 2 : FA_2015_RD0999_233_11_20151106_00048.jpg



Looking at dense trees on landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.70	Rating **	U	Issue No.	11 (cont)												
LM End	1.70	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.290171 °	38.290171 °												
				-121.615260 °	-121.615260 °												
DWR ID	DWR_RD0999_02_s_2012_11																
Action/Comments																	
Trim trees to at least five feet above ground level.																	

Photo 2 of 2 : FA_2015_RD0999_233_11_20150914_00013.jpg



Looking southwest at dense trees on landward slope.

LM Start	1.72	Rating **	U	Issue No.	15												
LM End	1.73	Issue Type +	En	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Vegetation			38.290026 °	38.289865 °												
				-121.614942 °	-121.614742 °												
DWR ID	DWR_RD0999_02_s_2012_15																
Action/Comments																	
Landscaping																	

Photo 1 of 2 : FA_2015_RD0999_233_15_20150914_00016.jpg



Looking north at landscaping on landside slope.

LM Start	1.72	Rating **	U	Issue No.	15 (cont)	
LM End	1.73	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_233_15_20150914_00017.jpg



Looking southwest at dense veg. on landside toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.72	Rating **	M	Issue No.	50							
LM End	1.72	Issue Type +	En	Location *	LS							
Category	Supplemental			GPS Latitude/Longitude								
				Start	End							
Item	DWR UCIP Field Study			38.289967 °	38.289967 °							
				-121.614873 °	-121.614873 °							
DWR ID												
Action/Comments												
Inspector Comments: FS_ID:15386 DS_ID:22774 EP_NO: N/A FS_HLM: 1.712 Repair Type: Non-Urgent Crossing Status: Found												

LM Start	1.72	Rating **	M	Issue No.	50 (cont)	
LM End	1.72	Issue Type +	En	Location *	LS	

Photo 1 of 3 : UCIP_FA_2015_0984.jpg



Concrete standpipe on LS toe.

Photo 2 of 3 : UCIP_FA_2015_0985.jpg



06/27/2013 09:24

Pipe, pumphouse, and gate valve on WS slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable	N : Not Inspected/Rated
M : Minimally Acceptable	C : Corrected
U : Unacceptable	A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.72	Rating **	M	Issue No.	50 (cont)									
LM End	1.72	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.289967 °	38.289967 °									
				-121.614873 °	-121.614873 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15386 DS_ID:22774 EP_NO: N/A FS_HLM: 1.712 Repair Type: Non-Urgent Crossing Status: Found														

Photo 3 of 3 : UCIP_FA_2015_0986.jpg



Pumphouse on WS slope.

LM Start	1.73	Rating **	M	Issue No.	8									
LM End	1.76	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Vegetation			38.289895 °	38.289595 °									
				-121.614688 °	-121.614337 °									
DWR ID	DWR_RD0999_02_s_2012_8													
Action/Comments														
Remove the wild growth other than native grasses from the levee slopes.														

Photo 1 of 2 : FA_2015_RD0999_233_8_20150914_00010.jpg

Looking west at dense vegetation on landward shoulder and slope.
(Spring 2015)

LM Start	1.73	Rating **	M	Issue No.	8 (cont)	
LM End	1.76	Issue Type +	Ma	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_233_8_20150914_00011.jpg



Looking east at elderberry bush on landside shoulder and slope. (Fall 2014)

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.74	Rating **	C	Issue No.	21																				
LM End	1.74	Issue Type +	Ma	Location *	WS		No Photos																		
Category	Earthen Levee			GPS Latitude/Longitude																					
				Start	End																				
Item	Encroachments			38.289747 °	38.289747 °																				
				-121.614587 °	-121.614587 °																				
DWR ID	DWR_RD0999_02_s_2012_21																								
Action/Comments																									
Prunings Inspector Comments: LMA removed prunings.																									

LM Start	1.78	Rating **	M	Issue No.	42																				
LM End	1.78	Issue Type +	Ma	Location *	LS																				
Category	Earthen Levee			GPS Latitude/Longitude																					
				Start	End																				
Item	Vegetation			38.289399 °	38.289399 °																				
				-121.614130 °	-121.614130 °																				
DWR ID	DWR_RD0999_02_f_2014_42																								
Action/Comments																									
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry and wildroses blocking landward toe.																									

Photo 1 of 2 : FA_2015_RD0999_233_42_20150914_00035.jpg



Looking east at wild rose blocking landward toe. (Spring 2015)

Photo 2 of 2 : FA_2015_RD0999_233_42_20150914_00036.jpg



Looking east at elderberry and wild roses blocking view of landward toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.78	Rating **	M	Issue No.	38	Photo 1 of 2 : FA_2015_RD0999_233_38_20150914_00032.jpg																
LM End	1.82	Issue Type +	Ma	Location *	WS																	
Category	Earthen Levee			GPS Latitude/Longitude																		
				Start	End																	
Item	Vegetation			38.289360 °	38.289006 °																	
DWR ID	DWR_RD0999_02_s_2014_38																					
Action/Comments																						
Elderberries are blocking visibility and flood fight capability.																						



Looking west at dense vegetation on waterside slope.

LM Start	1.78	Rating **	M	Issue No.	38 (cont)	Photo 2 of 2 : FA_2015_RD0999_233_38_20150914_00033.jpg			
LM End	1.82	Issue Type +	Ma	Location *	WS				



Looking east at dense vegetation on waterside slope.

LM Start	1.78	Rating **	M	Issue No.	51	Photo 1 of 2 : UCIP_FA_2015_0987.jpg																
LM End	1.78	Issue Type +	En	Location *	WS																	
Category	Supplemental			GPS Latitude/Longitude																		
				Start	End																	
Item	DWR UCIP Field Study			38.289357 °	38.289357 °																	
DWR ID																						
Action/Comments																						
Inspector Comments: FS_ID:41069 DS_ID:22775 EP_NO: N/A FS_HLM: 1.772 Repair Type: Non-Urgent Crossing Status: Indicator Found																						



Pump mount inside foundation at WS slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.78	Rating **	M	Issue No.	51 (cont)									
LM End	1.78	Issue Type +	En	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.289357 °	38.289357 °									
				-121.614089 °	-121.614089 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:41069 DS_ID:22775 EP_NO: N/A FS_HLM: 1.772 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned. FIELD_STRUCT_DESC: 8-inch pipe through levee 4.0 feet below crown. Used during irrigation season with portable pump. 7'X7' concrete pumphouse sump on WS shoulder with pump mount. Originally included in the 1966 O&M manual. FS Date: 06/27/2013														

Photo 2 of 2 : UCIP_FA_2015_0988.jpg



7'X7' concrete pumphouse sump on WS shoulder.

LM Start	1.80	Rating **	A/W	Issue No.	6									
LM End	1.90	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Vegetation			38.289117 °	38.288718 °									
				-121.613777 °	-121.612227 °									
DWR ID	DWR_RD0999_02_s_2012_6													
Action/Comments														
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: LMA is maintaining vegetation, but should be monitored.														

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.81	Rating **	A/W	Issue No.	22										
LM End	2.32	Issue Type +	En	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.289002 °	38.286742 °											
			-121.613675 °	-121.605903 °											
DWR ID	DWR_RD0999_02_s_2012_22														
Action/Comments															
Crops Inspector Comments: Crops encroached within ten feet of the landside toe.															

Photo 1 of 2 : FA_2015_RD0999_233_22_20150914_00024.jpg



Looking west proper toe road at landward toe.(Fall 2014)

LM Start	1.81	Rating **	A/W	Issue No.	22 (cont)	
LM End	2.32	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_233_22_20150914_00025.jpg



Looking west at crops encroaching on landside toe.

LM Start	1.93	Rating **	M	Issue No.	16										
LM End	1.93	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Vegetation		38.288713 °	38.288713 °											
			-121.611620 °	-121.611620 °											
DWR ID	DWR_RD0999_02_s_2012_16														
Action/Comments															
Elderberries are blocking visibility and flood fight capability.															

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.96	Rating **	M	Issue No.	7	
LM End	2.01	Issue Type +	Ma	Location *	CR	No Photos
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Crown Surface / Depressions / Rutting			38.288700 °	38.288798 °	
				-121.611105 °	-121.610050 °	
DWR ID	DWR_RD0999_02_s_2012_7					
Action/Comments						
Repair depressions or ruts in the crown or slope.						

LM Start	2.06	Rating **	U	Issue No.	29	
LM End	2.07	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Trim / Thin Trees			38.288870 °	38.288844 °	
				-121.609259 °	-121.609008 °	
DWR ID	DWR_RD0999_02_f_2013_29					
Action/Comments						
Trim trees to at least five feet above ground level.						

Photo 1 of 1 : FA_2015_RD0999_233_29_20151106_00049.jpg



Looking at untrimmed trees on landward slope fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	2.27	Rating **	M	Issue No.	52																	
LM End	2.27	Issue Type +	En	Location *	LS																	
Category				GPS Latitude/Longitude																		
				Start	End																	
Item				38.286666 °	38.286666 °																	
				-121.606803 °	-121.606803 °																	
DWR ID																						
Action/Comments																						
Inspector Comments: FS_ID:15703 DS_ID:22770 EP_NO: 3855 FS_HLM: 2.265 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not capped on LS and not found on WS. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4.0 feet below the crown. Capped during winter months. 6-inch pipe sleeved through 10-inch during irrigation season (Permit No. 3855, 1962). Included in the 1966 O&M manual. FS Date: 06/27/2013																						

LM Start	2.27	Rating **	M	Issue No.	52 (cont)				
LM End	2.27	Issue Type +	En	Location *	LS				

Photo 1 of 3 : UCIP_FA_2015_1446.jpg



07/12/2013 13:47

Pipe partially filled with soil and open on LS.

Photo 2 of 3 : UCIP_FA_2015_1447.jpg



07/12/2013 13:47

Pipe visible just off shoulder on LS slope in the rose bushes.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough					Right	2.31	11/02/2015 11/02/2015	Richard Willoughby

LM Start	2.27	Rating **	M	Issue No.	52 (cont)											
LM End	2.27	Issue Type +	En	Location *	LS											
Category	Supplemental			GPS Latitude/Longitude												
				Start	End											
Item	DWR UCIP Field Study			38.286666 °	38.286666 °											
				-121.606803 °	-121.606803 °											
DWR ID																
Action/Comments																
Inspector Comments: FS_ID:15703 DS_ID:22770 EP_NO: 3855 FS_HLM: 2.265 Repair Type: Non-Urgent Crossing Status: Found																



Pipe visible just off shoulder on LS slope in the rose bushes.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway			Bank	Unit Miles
Unit No. 03 Sutter Slough			Right	3.74
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/24/2015 - 03/24/2015		11/02/2015 - 11/02/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.01	Rating **	A/W	Issue No.	39										
LM End	0.01	Issue Type +	En	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.286727 °	38.286727 °										
				-121.606004 °	-121.606004 °										
DWR ID	DWR_RD0999_03_s_2015_39														
Action/Comments															
Tree or limb Inspector Comments: Downed tree on waterward shoulder.															

Photo 1 of 1 : FA_2015_RD0999_234_39_20150914_00029.jpg



Looking northeast at fallen tree on waterward shoulder. (Spring 2015)

LM Start	0.04	Rating **	A/W	Issue No.	4										
LM End	0.04	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.287025 °	38.287025 °										
				-121.605690 °	-121.605690 °										
DWR ID	DWR_RD0999_03_s_2012_4														
Action/Comments															
Trim trees to at least five feet above ground level. Inspector Comments: Dense fig trees on landward slope and toe.															

Photo 1 of 4 : FA_2015_RD0999_234_4_20150914_00003.jpg



Looking northwest at dense fig tree on landward toe. 2014

LM Start	0.04	Rating **	A/W	Issue No.	4 (cont)	
LM End	0.04	Issue Type +	Ma	Location *	LS	

Photo 2 of 4 : FA_2015_RD0999_234_4_20150914_00004.jpg



Looking northwest at dense fig tree on landward slope and toe. 2013

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.04	Rating **	A/W	Issue No.	4 (cont)	
LM End	0.04	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
Item	Trim / Thin Trees			Start	End	
DWR ID	DWR_RD0999_03_s_2012_4			38.287025 °	38.287025 °	
Action/Comments						
Trim trees to at least five feet above ground level. Inspector Comments: Dense fig trees on landward slope and toe.						

Photo 3 of 4 : FA_2015_RD0999_234_4_20150914_00005.jpg



Looking southwest at trimmed trees on landside toe. (Spring 2012)

LM Start	0.04	Rating **	A/W	Issue No.	4 (cont)	
LM End	0.04	Issue Type +	Ma	Location *	LS	

Photo 4 of 4 : FA_2015_RD0999_234_4_20150914_00006.jpg



Looking west at dense fig trees at landside toe.

LM Start	0.04	Rating **	M	Issue No.	36	
LM End	0.04	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
Item	Encroachments			Start	End	
DWR ID	DWR_RD0999_03_f_2013_36			38.287025 °	38.287025 °	
Action/Comments						
Prunings Inspector Comments: Prunings on waterward slope outside the twenty feet zone should be burned or removed from levee slope.						

Photo 1 of 1 : FA_2015_RD0999_234_36_20150914_00028.jpg



Looking east at prunings on waterward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.11	Rating **	M	Issue No.	9										
LM End	1.37	Issue Type +	Ma	Location *	CR										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Crown Surface / Depressions / Rutting			38.287873 °	38.304451 °										
				-121.605108 °	-121.600419 °										
DWR ID	DWR_RD0999_03_f_2012_9														
Action/Comments															
Repair depressions or ruts in the crown or slope.															

Photo 1 of 1 : FA_2015_RD0999_234_9_20150914_00009.jpg



Looking south at levee crown. (Spring 2015)

LM Start	0.11	Rating **	A/W	Issue No.	45										
LM End	0.41	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.287929 °	38.292129 °										
				-121.605098 °	-121.604885 °										
DWR ID	DWR_RD0999_03_s_2014_45														
Action/Comments															
Crops															

Photo 1 of 2 : FA_2015_RD0999_234_45_20150914_00031.jpg



Looking north at proper toe road at landward toe. Fall 2014

LM Start	0.11	Rating **	A/W	Issue No.	45 (cont)	
LM End	0.41	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_234_45_20150914_00032.jpg



Looking north at crops encroaching onto landside toe.

* Location
LS : Land Side
N/A : Not Applicable
WS : Water Side

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.18	Rating **	M	Issue No.	51							
LM End	0.18	Issue Type +	En	Location *	LS							
Category	Supplemental			GPS Latitude/Longitude								
				Start	End							
Item	DWR UCIP Field Study			38.288813 °	38.288813 °							
				-121.604670 °	-121.604670 °							
DWR ID												
Action/Comments												
Inspector Comments: FS_ID:15389 DS_ID:22776 EP_NO: N/A FS_HLM: 0.158 Repair Type: Non-Urgent Crossing Status: Found												



Steel plate on WS end of pipe.

LM Start	0.18	Rating **	M	Issue No.	51 (cont)	
LM End	0.18	Issue Type +	En	Location *	LS	



Pipe visible on LS slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.18	Rating **	M	Issue No.	51 (cont)									
LM End	0.18	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.288813 °	38.288813 °									
				-121.604670 °	-121.604670 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15389 DS_ID:22776 EP_NO: N/A FS_HLM: 0.158 Repair Type: Non-Urgent Crossing Status: Found														

Photo 3 of 3 : UCIP_FA_2015_0991.jpg



Pumphouse on LS slope covered in rose bush.

LM Start	0.24	Rating **	U	Issue No.	29									
LM End	0.65	Issue Type +	Ma	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	2015 USACE Erosion Survey, DRAFT			38.289634 °	38.295505 °									
				-121.604343 °	-121.605648 °									
DWR ID														
Action/Comments														
Inspector Comments: 1997 - Intermittent over-steepened sections. Large riparian vegetation along the length of the entire reach. Attempts to repair with rock on bank have failed. 1999 - New rock repair at the downstream end. 2002 - Some minor spot repairs. 2009 - Minimal new erosion. 2010 - Appears that fresh rock placed on downstream portion of site. Toe scour and overhanging trees with some overturned. 2012 - Minor new erosion at the toe. 2013 - Site upgraded to CRITICAL. Severe slumping into levee at downstream end of site. Fresh erosion into bank toe. 2015: New slumping, tall vertical sections. [2015 Site ID: STR_24-7_R]														

Photo 1 of 1 : USACE2013A_STR_24-7_R_12.jpg



USACE 2013 Photo #1

LM Start	0.45	Rating **	M	Issue No.	7									
LM End	0.45	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Vegetation			38.292748 °	38.292748 °									
				-121.604972 °	-121.604972 °									
DWR ID	DWR_RD0999_03_s_2012_7													
Action/Comments														
Elderberries are blocking visibility and flood fight capability.														

Photo 1 of 1 : FA_2015_RD0999_234_7_20150914_00007.jpg



Looking south at thinned Elderberry on waterside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections
Levee Inspection Report By Mile - Fall 2015
Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.66	Rating **	M	Issue No.	8				
LM End	0.66	Issue Type +	Ma	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Vegetation			38.295618 °	38.295618 °				
				-121.605923 °	-121.605923 °				
DWR ID	DWR_RD0999_03_s_2012_8						Action/Comments		
	Elderberries are blocking visibility and flood fight capability.								

Photo 1 of 1 : FA_2015_RD0999_234_8_20150914_00008.jpg



Elderberries blocking view of landside toe.

LM Start	0.68	Rating **	A/W	Issue No.	3				
LM End	0.68	Issue Type +	Ma	Location *	WS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Trim / Thin Trees			38.296022 °	38.296022 °				
				-121.605889 °	-121.605889 °				
DWR ID	DWR_RD0999_03_s_2012_3						Action/Comments		
	Trim trees to at least five feet above ground level.								

No Photos

LM Start	0.69	Rating **	M	Issue No.	15				
LM End	0.70	Issue Type +	Ma	Location *	WS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Vegetation			38.296073 °	38.296203 °				
				-121.605872 °	-121.605837 °				
DWR ID	DWR_RD0999_03_s_2012_15						Action/Comments		
	Elderberries are blocking visibility and flood fight capability.								

Photo 1 of 1 : FA_2015_RD0999_234_15_20150914_00014.jpg



Looking northeast at dense elderberry on waterward slope.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.73	Rating **	A/W	Issue No.	17										
LM End	0.73	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Animal Control			38.296632 °	38.296632 °										
				-121.605692 °	-121.605692 °										
DWR ID	DWR_RD0999_03_s_2012_17						No Photos								
Action/Comments															
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.															

LM Start	0.75	Rating **	M	Issue No.	2										
LM End	0.75	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.296942 °	38.296942 °										
				-121.605528 °	-121.605528 °										
DWR ID	DWR_RD0999_03_s_2012_2						Photo 1 of 1 : FA_2015_RD0999_234_2_20151106_00038.jpg								
Action/Comments															
Prunings															



Looking at prunings at landward toe.

LM Start	0.93	Rating **	U	Issue No.	43										
LM End	0.95	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.299130 °	38.299362 °										
				-121.603768 °	-121.603462 °										
DWR ID	DWR_RD0999_03_f_2014_43						Photo 1 of 1 : FA_2015_RD0999_234_43_20151106_00039.jpg								
Action/Comments															
Trim trees to at least five feet above ground level.															



Looking at untrimmed trees on landward slope and toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

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Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	0.94	Rating **	A/W	Issue No.	6												
LM End	0.94	Issue Type +	Ma	Location *	LS		No Photos										
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Vegetation			38.299197 °	38.299197 °												
DWR ID	DWR_RD0999_03_s_2012_6																
Action/Comments																	
Remove the wild growth other than native grasses from the levee slopes.																	
Inspector Comments: Wild roses on landside slope.																	

LM Start	0.97	Rating **	M	Issue No.	30									
LM End	1.10	Issue Type +	Ma	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	2015 USACE Erosion Survey, DRAFT			38.299402 °	38.300542 °									
DWR ID														
Action/Comments														
Inspector Comments: 2008 - Over steepened levee section. 2009 - Significant new erosion. 2010 - Minor new erosion. 2015: No observed changes. [2015 Site ID: STR_25-2_R]														

Photo 1 of 1 : USACE2013A_STR_25-2_R_11.jpg



USACE 2013 Photo #1

LM Start	1.43	Rating **	M	Issue No.	1									
LM End	1.58	Issue Type +	Ma	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	2015 USACE Erosion Survey, DRAFT			38.305229 °	38.306667 °									
DWR ID														
Action/Comments														
Inspector Comments: 2011 - Toe scour along length of site and erosion pockets. 2012 - Site extended slightly upstream due to new erosion pocket. 2013 - Tall vertical sections at upstream end of site. 2015: No observed changes. [2015 Site ID: STR_25-7_R]														

Photo 1 of 1 : USACE2013A_STR_25-7_R_11.jpg



USACE 2013 Photo #1

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.50	Rating **	U	Issue No.	11										
LM End	1.50	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.306062 °	38.306062 °										
				-121.599495 °	-121.599495 °										
DWR ID	DWR_RD0999_03_s_2012_11														
Action/Comments															
Trim trees to at least five feet above ground level.															

Photo 1 of 1 : FA_2015_RD0999_234_11_20151106_00040.jpg



Looking at untrimmed trees on landward slope and toe.

LM Start	1.53	Rating **	M	Issue No.	12										
LM End	1.53	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.306332 °	38.306332 °										
				-121.599109 °	-121.599109 °										
DWR ID	DWR_RD0999_03_s_2012_12														
Action/Comments															
Trim trees to at least five feet above ground level.															

No Photos

LM Start	1.57	Rating **	M	Issue No.	13										
LM End	1.59	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.306762 °	38.306948 °										
				-121.598541 °	-121.598320 °										
DWR ID	DWR_RD0999_03_s_2012_13														
Action/Comments															
Trim and thin trees to allow visibility of the ground and room to flood fight.															

Photo 1 of 1 : FA_2015_RD0999_234_13_20150914_00013.jpg



Looking north at untrimmed trees on landward toe. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.61	Rating **	U	Issue No.	23		No Photos		
LM End	1.61	Issue Type +	Ma	Location *	WS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Encroachments			38.307289 °	38.307289 °				
				-121.598082 °	-121.598082 °				
DWR ID	DWR_RD0999_03_f_2015_23								
Action/Comments									
Prunings Inspector Comments: Large pruning piles on waterward slope.									

LM Start	1.68	Rating **	M	Issue No.	14		No Photos		
LM End	1.68	Issue Type +	Ma	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Trim / Thin Trees			38.308129 °	38.308129 °				
				-121.598610 °	-121.598610 °				
DWR ID	DWR_RD0999_03_s_2012_14								
Action/Comments									
Trim trees to at least five feet above ground level.									

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.71	Rating **	M	Issue No.	52							
LM End	1.71	Issue Type +	En	Location *	LS							
Category	Supplemental			GPS Latitude/Longitude								
				Start	End							
Item	DWR UCIP Field Study			38.308513 °	38.308513 °							
				-121.598874 °	-121.598874 °							
DWR ID												
Action/Comments												
Inspector Comments: FS_ID:15392 DS_ID:22779 EP_NO: N/A FS_HLM: 1.702 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be verified as being done so properly. FIELD_STRUCT_DESC: *Abandoned* 5-inch pipe through levee 4.4 feet below crown. Pump and valve in pump house on the waterward slope (couldn't see landward end of pipe 2/91). 1-inch galvanized iron electric conduit at same location. Originally included in the 1966 O&M manual. FS Date: 06/27/2013												

Photo 1 of 3 : UCIP_FA_2015_1048.jpg



gatevalve inside pumphouse with no connection.

Photo 2 of 3 : UCIP_FA_2015_1049.jpg



1-inch galvanized iron electrical conduit on WS slope.

LM Start	1.71	Rating **	M	Issue No.	52 (cont)	
LM End	1.71	Issue Type +	En	Location *	LS	

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	1.71	Rating **	M	Issue No.	52 (cont)									
LM End	1.71	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.308513 °	38.308513 °									
				-121.598874 °	-121.598874 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15392 DS_ID:22779 EP_NO: N/A FS_HLM: 1.702 Repair Type: Non-Urgent Crossing Status: Found														



Pumphouse visible on WS slope.

LM Start	1.96	Rating **	M	Issue No.	20									
LM End	1.96	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.311447 °	38.311447 °									
				-121.597358 °	-121.597358 °									
DWR ID	DWR_RD0999_03_s_2012_20													
Action/Comments														
Trim trees to at least five feet above ground level.														

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

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Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	2.00	Rating **	M	Issue No.	53												
LM End	2.00	Issue Type +	En	Location *	LS												
Category	Supplemental				GPS Latitude/Longitude												
					Start	End											
Item	DWR UCIP Field Study				38.311709 °	38.311709 °											
DWR ID					-121.596713 °	-121.596713 °											
Action/Comments																	
Inspector Comments: FS_ID:15393 DS_ID:22780 EP_NO: N/A FS_HLM: 2 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 7-inch pipe through levee 4.6 feet below crown. Pump and gate valve on waterward slope. Service pole on the landward slope. 1-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 06/27/2013																	



LM Start	2.00	Rating **	M	Issue No.	53 (cont)				
LM End	2.00	Issue Type +	En	Location *	LS				

Galvanized iron pipe on WS slope.



Gate valve on WS slope at pump.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	2.00	Rating **	M	Issue No.	53 (cont)									
LM End	2.00	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.311709 °	38.311709 °									
				-121.596713 °	-121.596713 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15393 DS_ID:22780 EP_NO: N/A FS_HLM: 2 Repair Type: Non-Urgent Crossing Status: Found														



Pipe visible on WS slope.

LM Start	2.02	Rating **	A/W	Issue No.	46									
LM End	2.02	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.311898 °	38.311898 °									
				-121.596379 °	-121.596379 °									
DWR ID	DWR_RD0999_03_s_2014_46													
Action/Comments														
Trim trees to at least five feet above ground level.														

No Photos

LM Start	2.09	Rating **	M	Issue No.	26									
LM End	2.09	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.312470 °	38.312470 °									
				-121.595433 °	-121.595433 °									
DWR ID	DWR_RD0999_03_s_2012_26													
Action/Comments														
Trim trees to at least five feet above ground level.														

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	2.12	Rating **	M	Issue No.	24		No Photos																			
LM End	2.12	Issue Type +	En	Location *	LS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.312839 °	38.312839 °																					
DWR ID	DWR_RD0999_03_s_2012_24																									
Action/Comments																										
Trim trees to at least five feet above ground level.																										

LM Start	2.15	Rating **	A/W	Issue No.	25		No Photos																			
LM End	2.15	Issue Type +	En	Location *	LS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.313099 °	38.313099 °																					
DWR ID	DWR_RD0999_03_s_2012_25																									
Action/Comments																										
Trim trees to at least five feet above ground level.																										

LM Start	2.20	Rating **	M	Issue No.	40		No Photos																			
LM End	2.22	Issue Type +	Ma	Location *	LS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.313566 °	38.313777 °																					
DWR ID	DWR_RD0999_03_s_2015_40																									
Action/Comments																										
Trim trees to at least five feet above ground level.																										

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	2.54	Rating **	M	Issue No.	27										
LM End	2.54	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.317840 °	38.317840 °										
				-121.590895 °	-121.590895 °										
DWR ID	DWR_RD0999_03_s_2012_27														
Action/Comments															
Equipment Inspector Comments: Diesel tank stored at landside toe.															

Photo 1 of 2 : FA_2015_RD0999_234_27_20150914_00019.jpg



Looking southwest at farm equipment stored at landside toe. (Fall Inspection 2012)

LM Start	2.54	Rating **	M	Issue No.	27 (cont)	
LM End	2.54	Issue Type +	Ma	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_234_27_20150914_00020.jpg



Looking northwest at equipment at landside toe.

LM Start	2.61	Rating **	M	Issue No.	37										
LM End	2.61	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.318785 °	38.318785 °										
				-121.590763 °	-121.590763 °										
DWR ID	DWR_RD0999_03_f_2015_37														
Action/Comments															
Trim trees to at least five feet above ground level.															

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	2.69	Rating **	A/W	Issue No.	32										
LM End	2.74	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.319943 °	38.320670 °										
				-121.590737 °	-121.590802 °										
DWR ID	DWR_RD0999_03_s_2012_32														
Action/Comments															
Trim trees to at least five feet above ground level.															

Photo 1 of 1 : FA_2015_RD0999_234_32_20150914_00024.jpg



Looking northwest at untrimmed trees on landward slope. (Spring 2015)

LM Start	2.70	Rating **	A/W	Issue No.	16										
LM End	2.71	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.320105 °	38.320340 °										
				-121.590765 °	-121.590730 °										
DWR ID	DWR_RD0999_03_s_2012_16														
Action/Comments															
Landscaping															

Photo 1 of 2 : FA_2015_RD0999_234_16_20150914_00015.jpg



Looking south at landscaping and dense veg. on landside slope and toe.

LM Start	2.70	Rating **	A/W	Issue No.	16 (cont)	
LM End	2.71	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_234_16_20150914_00016.jpg



Looking northwest at landscaping and dense veg. on landside slope and toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	2.71	Rating **	M	Issue No.	41																		
LM End	2.71	Issue Type +	Ma	Location *	WS		No Photos																
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Trim / Thin Trees			38.320335 °	38.320335 °																		
DWR ID	DWR_RD0999_03_s_2015_41																						
Action/Comments																							
Trim trees to at least five feet above ground level.																							

LM Start	2.78	Rating **	M	Issue No.	28																		
LM End	2.94	Issue Type +	Ma	Location *	LS		No Photos																
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Trim / Thin Trees			38.321244 °	38.323362 °																		
DWR ID	DWR_RD0999_03_s_2012_28																						
Action/Comments																							
Trim trees to at least five feet above ground level.																							

LM Start	2.87	Rating **	M	Issue No.	21																		
LM End	2.92	Issue Type +	Ma	Location *	WS																		
Category	Supplemental			GPS Latitude/Longitude																			
				Start	End																		
Item	2015 USACE Erosion Survey, DRAFT			38.322457 °	38.323042 °																		
DWR ID																							
Action/Comments																							
Inspector Comments: 2012 - Slumping of upper levee slope. 2015: No observed changes. [2015 Site ID: STR_27-1_R]																							

Photo 1 of 1 : USACE2013A_STR_27-1_R_2.jpg



USACE 2013 Photo #1

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	2.88	Rating **	M	Issue No.	54																		
LM End	2.88	Issue Type +	En	Location *	WS																		
Category				GPS Latitude/Longitude																			
				Start	End																		
Item				DWR UCIP Field Study	38.322652 °	38.322652 °																	
					-121.590841 °	-121.590841 °																	
DWR ID																							
Action/Comments																							
Inspector Comments: FS_ID:15406 DS_ID:22782 EP_NO: N/A FS_HLM: 2.886 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe is abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 16-inch pipe through levee 9.3 feet below crown. Pump and gate valve in pump house on the landward slope. Originally included in the 1966 O&M manual. FS Date: 06/27/2013																							

LM Start	2.88	Rating **	M	Issue No.	54 (cont)				
LM End	2.88	Issue Type +	En	Location *	WS				

Photo 1 of 3 : UCIP_FA_2015_1066.jpg



Pipe entering levee at LS toe.

Photo 2 of 3 : UCIP_FA_2015_1067.jpg



Pump and gatevalve inside pumphouse at LS toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	2.88	Rating **	M	Issue No.	54 (cont)									
LM End	2.88	Issue Type +	En	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.322652 °	38.322652 °									
				-121.590841 °	-121.590841 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15406 DS_ID:22782 EP_NO: N/A FS_HLM: 2.886 Repair Type: Non-Urgent Crossing Status: Found														

Photo 3 of 3 : UCIP_FA_2015_1068.jpg



06/27/2013 11:22

Pumphouse on LS toe.

LM Start	2.88	Rating **	M	Issue No.	10									
LM End	2.88	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Vegetation			38.322757 °	38.322757 °									
				-121.590817 °	-121.590817 °									
DWR ID	DWR_RD0999_03_f_2012_10													
Action/Comments														
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild growth at landside slope and toe.														

Photo 1 of 3 : FA_2015_RD0999_234_10_20150914_00010.jpg



Looking west at trimmed trees at landward toe. (Fall 2014)

LM Start	2.88	Rating **	M	Issue No.	10 (cont)	
LM End	2.88	Issue Type +	Ma	Location *	LS	

Photo 2 of 3 : FA_2015_RD0999_234_10_20150914_00011.jpg



Looking west at dense trees on landside toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	2.88	Rating **	M	Issue No.	10 (cont)												
LM End	2.88	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Vegetation			38.322757 °	38.322757 °												
				-121.590817 °	-121.590817 °												
DWR ID	DWR_RD0999_03_f_2012_10																
Action/Comments																	
Remove the wild growth other than native grasses from the levee slopes.																	
Inspector Comments: Wild growth at landside slope and toe.																	

Photo 3 of 3 : FA_2015_RD0999_234_10_20150914_00012.jpg



Looking northwest at dense vegetation at landside slope and toe.

LM Start	2.93	Rating **	M	Issue No.	38												
LM End	2.93	Issue Type +	Ma	Location *	WS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.323349 °	38.323349 °												
				-121.590225 °	-121.590225 °												
DWR ID	DWR_RD0999_03_f_2015_38																
Action/Comments																	
Trim trees to at least five feet above ground level.																	

No Photos

LM Start	3.01	Rating **	M	Issue No.	31												
LM End	3.25	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.323770 °	38.326061 °												
				-121.589035 °	-121.586028 °												
DWR ID	DWR_RD0999_03_s_2012_31																
Action/Comments																	
Trim and thin trees to allow visibility of the ground and room to flood fight.																	

Photo 1 of 1 : FA_2015_RD0999_234_31_20150914_00023.jpg



Looking north at trimmed trees on landward slope.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	3.05	Rating **	M	Issue No.	5													
LM End	3.23	Issue Type +	Ma	Location *	WS													
Category	Supplemental			GPS Latitude/Longitude														
				Start	End													
Item	2015 USACE Erosion Survey, DRAFT			38.323667 °	38.325592 °													
				-121.588226 °	-121.585925 °													
DWR ID																		
Action/Comments																		
Inspector Comments: 2011 - Multiple erosion pockets. Some likely from tree popouts. 2013 - Tall vertical sections. 2015: New tree popout and significant new erosion. [2015 Site ID: STR_27-3_R]																		



USACE 2013 Photo #1

LM Start	3.13	Rating **	A/W	Issue No.	42													
LM End	3.13	Issue Type +	Ma	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Encroachments			38.324510 °	38.324510 °													
				-121.587015 °	-121.587015 °													
DWR ID	DWR_RD0999_03_s_2015_42																	
Action/Comments																		
Prunings Inspector Comments: Prunings on landward shoulder.																		

No Photos

LM Start	3.17	Rating **	M	Issue No.	48													
LM End	3.17	Issue Type +	En	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Encroachments			38.324980 °	38.324980 °													
				-121.586604 °	-121.586604 °													
DWR ID	DWR_RD0999_03_f_2015_48																	
Action/Comments																		
Tree or limb Inspector Comments: Dead tree branch on landward slope.																		

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	3.21	Rating **	A/W	Issue No.	19		No Photos										
LM End	3.21	Issue Type +	Ma	Location *	WS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.325534 °	38.325534 °												
DWR ID	DWR_RD0999_03_s_2012_19		Action/Comments														
Trim trees to at least five feet above ground level.																	

LM Start	3.49	Rating **	M	Issue No.	49		No Photos										
LM End	3.49	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.329452 °	38.329452 °												
DWR ID	DWR_RD0999_03_f_2015_49		Action/Comments														
Trim trees to at least five feet above ground level.																	

LM Start	3.56	Rating **	M	Issue No.	50		No Photos										
LM End	3.60	Issue Type +	Ma	Location *	WS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.330326 °	38.330994 °												
DWR ID	DWR_RD0999_03_f_2015_50		Action/Comments														
Trim trees to at least five feet above ground level.																	

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough						Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	3.60	Rating **	M	Issue No.	44										
LM End	3.64	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.330946 °	38.331415 °										
				-121.585932 °	-121.585534 °										
DWR ID	DWR_RD0999_03_s_2015_44														
Action/Comments															
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove trees under an inch in diameter. Don't allow young trees to get establish on levee slope.															

Photo 1 of 1 : FA_2015_RD0999_234_44_20150914_00030.jpg

Looking southwest at typical view of young oak trees on landward slope.
(Spring 2015)

LM Start	3.70	Rating **	U	Issue No.	22										
LM End	3.71	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.332017 °	38.332156 °										
				-121.584807 °	-121.584707 °										
DWR ID	DWR_RD0999_03_s_2012_22														
Action/Comments															
Landscaping															

Photo 1 of 2 : FA_2015_RD0999_234_22_20150914_00017.jpg



Looking southwest at trimmed landscaping on landside slope, but still blocking levee slope.

LM Start	3.70	Rating **	U	Issue No.	22 (cont)	
LM End	3.71	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_234_22_20150914_00018.jpg



Looking northwest at landscaping on landside slope and toe. (Spring 2011)

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/W : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough					Right	3.74	11/02/2015 11/02/2015	Richard Willoughby

LM Start	4.56	Rating **	M	Issue No.	18											
LM End	4.68	Issue Type +	Ma	Location *	WS											
Category	Supplemental			GPS Latitude/Longitude												
				Start	End											
Item	2015 USACE Erosion Survey, DRAFT			38.313836 °	38.315407 °											
				-121.592259 °	-121.591433 °											
DWR ID																
Action/Comments																
Inspector Comments: 2002 - Original rock over geotextile is sliding off and the end is coming unraveled. 2003 - Some minor new erosion on the downstream end. 2004 - Site has gotten worse. Underlined geofabric is exposed. 2005 - Still looks bad with exposed geotextile fabric. 2006 - Still have some new unraveling and exposed fabric. Site lengthened upstream. 2009 - Minimal new erosion. 2010 - geotextile																

Photo 1 of 1 : USACE2013A_STR_26-5_L_8.jpg



USACE 2013 Photo #1

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway			Bank	Unit Miles
Unit No. 04 Sacramento River			Right	1.22
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/26/2015 - 03/26/2015		10/29/2015 - 10/29/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	8									
LM End	0.28	Issue Type +	Ma	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	2015 USACE Erosion Survey, DRAFT			38.414387 °	38.417692 °									
				-121.522871 °	-121.525083 °									
DWR ID														
Action/Comments														
Inspector Comments: 1997 - Structural problem rather than erosional, failed cobble at downstream end. 2005 - New brush boxes at waterline for several hundred feet downstream, No toe or bank protection present. 2006 - Some minor new erosion. Brush boxes not working well; most of the brush has floated out. 2007 - Brush boxes have recently been repaired. 2015: No observed changes. [2015 Site ID: SAC_41-9_R]														

Photo 1 of 1 : USACE2013A_SAC_41-9_R_14.jpg



USACE 2013 Photo #1

LM Start	0.03	Rating **	U	Issue No.	35									
LM End	0.03	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.414450 °	38.414450 °									
				-121.523308 °	-121.523308 °									
DWR ID	DWR_RD0999_04_f_2014_35													
Action/Comments														
Trim trees to at least five feet above ground level. Inspector Comments: Untrimmed trees on landward slope and toe.														

Photo 1 of 1 : FA_2015_RD0999_235_35_20151106_00027.jpg



Looking at untrimmed trees on landward slope.

LM Start	0.05	Rating **	M	Issue No.	15									
LM End	0.05	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.414642 °	38.414642 °									
				-121.523430 °	-121.523430 °									
DWR ID	DWR_RD0999_04_s_2012_15													
Action/Comments														
Trim trees to at least five feet above ground level.														

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.05	Rating **	M	Issue No.	13										
LM End	0.11	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.414672 °	38.415468 °										
				-121.523527 °	-121.524037 °										
DWR ID	DWR_RD0999_04_s_2012_13														
Action/Comments															
Fence															

Photo 1 of 1 : FA_2015_RD0999_235_13_20150914_00013.jpg



Cyclone fence along landside shoulder at LM 0.05 -0.11

LM Start	0.07	Rating **	M	Issue No.	41										
LM End	0.07	Issue Type +	En	Location *	LS										
Category	Supplemental			GPS Latitude/Longitude											
				Start	End										
Item	DWR UCIP Field Study			38.414881 °	38.414881 °										
				-121.523682 °	-121.523682 °										
DWR ID															
Action/Comments															
Inspector Comments: FS_ID:15709 DS_ID:22789 EP_NO: N/A FS_HLM: 0.067 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 2-inch pipe through levee 4.5 feet below crown. Concrete blocks for missing Pump and pressure system visible on WS slope. 8-inch steel standpipe on WS toe with remnants of 2-inch pipe visible at top. Pipe visible at concrete foundation on LS shoulder. Originally included in the 1966 O&M manual. FS Date: 07/12/2013															

Photo 1 of 3 : UCIP_FA_2015_1449.jpg



Pipe visible at top of steel standpipe. Foundation for pump station visible on WS slope.

* Location	** Rating
LS : Land Side	A : Acceptable
WS : Water Side	M : Minimally Acceptable
CR : Crown	U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.07	Rating **	M	Issue No.	41 (cont)									
LM End	0.07	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.414881 °	38.414881 °									
				-121.523682 °	-121.523682 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15709 DS_ID:22789 EP_NO: N/A FS_HLM: 0.067 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 2-inch pipe through levee 4.5 feet below crown. Concrete blocks for missing Pump and pressure system visible on WS slope. 8-inch steel standpipe on WS toe with remnants of 2-inch pipe visible at top. Pipe visible at concrete foundation on LS shoulder. Originally included in the 1966 O&M manual. FS Date: 07/12/2013														

Photo 2 of 3 : UCIP_FA_2015_1450.jpg



07/12/2013 08:40

Pipe visible at concrete foundation on LS shoulder.

Photo 3 of 3 : UCIP_FA_2015_1451.jpg

07/12/2013 08:40
FOUNDATION

Pipe visible at concrete foundation on LS shoulder.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable	N : Not Inspected/Rated
M : Minimally Acceptable	C : Corrected
U : Unacceptable	A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.14	Rating **	A/W	Issue No.	4		
LM End	0.14	Issue Type +	En	Location *	WS		No Photos
Category	Earthen Levee			GPS Latitude/Longitude			
				Start	End		
Item	Encroachments			38.415843 °	38.415843 °		
				-121.524163 °	-121.524163 °		
DWR ID	DWR_RD0999_04_s_2012_4						
Action/Comments							
Prunings							

LM Start	0.16	Rating **	U	Issue No.	38		
LM End	0.16	Issue Type +	En	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start	End		
Item	Vegetation			38.416040 °	38.416040 °		
				-121.524282 °	-121.524282 °		
DWR ID	DWR_RD0999_04_f_2015_38						
Action/Comments							
Landscaping Inspector Comments: Dense landscaping on landward slope and toe.							

Photo 1 of 2 : FA_2015_RD0999_235_38_20151106_00028.jpg



Looking northwest at dense landscaping on landward slope and toe.

Photo 2 of 2 : FA_2015_RD0999_235_38_20151106_00029.jpg



Looking southwest at dense landscaping on landward slope and toe.

LM Start	0.16	Rating **	U	Issue No.	38 (cont)		
LM End	0.16	Issue Type +	En	Location *	LS		

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections
Levee Inspection Report By Mile - Fall 2015
Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.19	Rating **	M	Issue No.	24		
LM End	0.27	Issue Type +	Ma	Location *	WS	No Photos	
Category	Earthen Levee			GPS Latitude/Longitude			
				Start	End		
Item	Trim / Thin Trees			38.416518 °	38.417519 °		
				-121.524502 °	-121.525368 °		
DWR ID	DWR_RD0999_04_s_2012_24						Action/Comments
Trim and thin trees to allow visibility of the ground and room to flood fight.							

LM Start	0.28	Rating **	M	Issue No.	20		
LM End	0.30	Issue Type +	En	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start	End		
Item	Vegetation			°	°		
				°	°		
DWR ID	DWR_RD0999_04_f_2013_20						Action/Comments
Landscaping							

Photo 1 of 1 : FA_2015_RD0999_235_20_20150914_00016.jpg



Looking west at dense landscaping on landward slope.

LM Start	0.29	Rating **	U	Issue No.	36		
LM End	0.29	Issue Type +	En	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start	End		
Item	Encroachments			38.417809 °	38.417809 °		
				-121.525488 °	-121.525488 °		
DWR ID	DWR_RD0999_04_f_2014_36						Action/Comments
Building Inspector Comments: Landowner built patio structure next to mobile diner on waterward shoulder area without Board permit.							

Photo 1 of 3 : FA_2015_RD0999_235_36_20151106_00030.jpg



Looking northeast at patio on waterward shoulder.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.29	Rating **	U	Issue No.	36 (cont)													
LM End	0.29	Issue Type +	En	Location *	WS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Encroachments			38.417809 °	38.417809 °													
				-121.525488 °	-121.525488 °													
DWR ID	DWR_RD0999_04_f_2014_36																	
Action/Comments																		
Building Inspector Comments: Landowner built patio structure next to mobile diner on waterward shoulder area without Board permit.																		

Photo 2 of 3 : FA_2015_RD0999_235_36_20150914_00019.jpg



Looking north at patio structure on waterward shoulder.

Photo 3 of 3 : FA_2015_RD0999_235_36_20150914_00020.jpg



Looking northeast at patio structure on waterward shoulder.

LM Start	0.31	Rating **	U	Issue No.	12													
LM End	0.35	Issue Type +	En	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Vegetation			38.418002 °	38.418470 °													
				-121.525712 °	-121.526002 °													
DWR ID	DWR_RD0999_04_s_2012_12																	
Action/Comments																		
Landscaping																		

Photo 1 of 2 : FA_2015_RD0999_235_12_20150914_00011.jpg



Looking west at dense vegetation on landside slope and toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.31	Rating **	U	Issue No.	12 (cont)												
LM End	0.35	Issue Type +	En	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Vegetation			38.418002 °	38.418470 °												
				-121.525712 °	-121.526002 °												
DWR ID	DWR_RD0999_04_s_2012_12																
Action/Comments																	
Landscaping																	

Photo 2 of 2 : FA_2015_RD0999_235_12_20150914_00012.jpg



Looking northwest at dense vegetation on landside shoulder and slope.

LM Start	0.38	Rating **	U	Issue No.	11												
LM End	0.49	Issue Type +	En	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Vegetation			38.418838 °	38.420237 °												
				-121.526225 °	-121.527193 °												
DWR ID	DWR_RD0999_04_s_2012_11																
Action/Comments																	
Landscaping																	

Photo 1 of 2 : FA_2015_RD0999_235_11_20150914_00009.jpg



Looking northwest at dense landscaping on landward slope. (Spring 2015)

LM Start	0.38	Rating **	U	Issue No.	11 (cont)	
LM End	0.49	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_235_11_20150914_00010.jpg



Looking west at century plants on landside shoulder and slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.38	Rating **	M	Issue No.	10										
LM End	0.50	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.418838 °	38.420447 °										
				-121.526225 °	-121.527380 °										
DWR ID	DWR_RD0999_04_s_2012_10														
Action/Comments															
Trim trees to at least five feet above ground level.															

Photo 1 of 2 : FA_2015_RD0999_235_10_20150914_00007.jpg



Looking northwest at dense trees on landside slope and toe.

Photo 2 of 2 : FA_2015_RD0999_235_10_20150914_00008.jpg



Looking west at dense trees on waterside slope.

LM Start	0.40	Rating **	M	Issue No.	1										
LM End	0.47	Issue Type +	En	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.419137 °	38.420078 °										
				-121.526280 °	-121.526913 °										
DWR ID	DWR_RD0999_04_s_2012_1														
Action/Comments															
Landscaping															

Photo 1 of 1 : FA_2015_RD0999_235_1_20150914_00001.jpg



Looking north at rose bushes on waterside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.53	Rating **	M	Issue No.	37		No Photos										
LM End	0.56	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.420791 °	38.421194 °												
				-121.527553 °	-121.527852 °												
DWR ID	DWR_RD0999_04_s_2015_37																
Action/Comments																	
Trim trees to at least five feet above ground level.																	

LM Start	0.60	Rating **	A/W	Issue No.	21		Photo 1 of 1 : FA_2015_RD0999_235_21_20150914_00017.jpg										
LM End	0.60	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Encroachments			°	°												
				°	°												
DWR ID	DWR_RD0999_04_f_2013_21																
Action/Comments																	
Tree or limb Inspector Comments: Downed tree on landward toe and berm.																	



Looking west at dead tree on landward toe and berm.

LM Start	0.63	Rating **	N	Issue No.	19		No Photos										
LM End	0.63	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.421997 °	38.421997 °												
				-121.528470 °	-121.528470 °												
DWR ID	DWR_RD0999_04_s_2012_19																
Action/Comments																	
Tree stumps.																	

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.66	Rating **	N	Issue No.	18		No Photos						
LM End	0.66	Issue Type +	Ma	Location *	LS								
Category	Earthen Levee			GPS Latitude/Longitude									
				Start	End								
Item	Trim / Thin Trees			38.422377 °	38.422377 °								
				-121.528792 °	-121.528792 °								
DWR ID	DWR_RD0999_04_s_2012_18												
Action/Comments													
Tree stumps.													

LM Start	0.67	Rating **	A/W	Issue No.	7		No Photos						
LM End	0.71	Issue Type +	Ma	Location *	LS								
Category	Earthen Levee			GPS Latitude/Longitude									
				Start	End								
Item	Trim / Thin Trees			38.422517 °	38.423133 °								
				-121.528858 °	-121.529210 °								
DWR ID	DWR_RD0999_04_s_2012_7												
Action/Comments													
Trim trees to at least five feet above ground level.													

LM Start	0.71	Rating **	A/W	Issue No.	6		Photo 1 of 2 : FA_2015_RD0999_235_6_20150914_00004.jpg						
LM End	0.87	Issue Type +	Ma	Location *	LS								
Category	Earthen Levee			GPS Latitude/Longitude									
				Start	End								
Item	Trim / Thin Trees			38.423035 °	38.425140 °								
				-121.529255 °	-121.530742 °								
DWR ID	DWR_RD0999_04_s_2012_6												
Action/Comments													
Trim trees to at least five feet above ground level.													



Looking north at trimmed trees and removed fence on landside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.71	Rating **	A/W	Issue No.	6 (cont)												
LM End	0.87	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.423035 °	38.425140 °												
				-121.529255 °	-121.530742 °												
DWR ID	DWR_RD0999_04_s_2012_6																
Action/Comments																	
Trim trees to at least five feet above ground level.																	

Photo 2 of 2 : FA_2015_RD0999_235_6_20150914_00005.jpg



Looking south at trimmed trees on landside slope and removed fence.

LM Start	0.71	Rating **	M	Issue No.	42									
LM End	0.71	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.423062 °	38.423062 °									
				-121.529241 °	-121.529241 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15712 DS_ID:22791 EP_NO: 3973 FS_HLM: 0.709 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate broken on LS toe. Appears it may be abandoned. FIELD_STRUCT_DESC: 18-inch steel stormdrain pipe through the levee 4.7 feet below the crown. air vent in 18-inch steel standpipe on the waterward shoulder. Gate valve on the land side toe (Permit No. 3973, 1962). Originally included in the 1966 O&M manual. FS Date: 07/12/2013														

Photo 1 of 3 : UCIP_FA_2015_0545.jpg



Gate valve on LS toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.71	Rating **	M	Issue No.	42 (cont)	Action/Comments		
LM End	0.71	Issue Type +	En	Location *	LS			
Category	Supplemental				GPS Latitude/Longitude			
					Start	End		
Item	DWR UCIP Field Study				38.423062 °	38.423062 °		
DWR ID					-121.529241 °	-121.529241 °		
Inspector Comments: FS_ID:15712 DS_ID:22791 EP_NO: 3973 FS_HLM: 0.709 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate broken on LS toe. Appears it may be abandoned. FIELD_STRUCT_DESC: 18-inch steel stormdrain pipe through the levee 4.7 feet below the crown. air vent in 18-inch steel standpipe on the waterward shoulder. Gate valve on the land side toe (Permit No. 3973, 1962). Originally included in the 1966 O&M manual. FS Date: 07/12/2013								

Photo 2 of 3 : UCIP_FA_2015_0546.jpg



Electrical panel, water meter, and gate valve on LS toe.

Photo 3 of 3 : UCIP_FA_2015_0547.jpg



Air vent in standpipe on WS shoulder.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	43																	
LM End	0.74	Issue Type +	En	Location *	LS																	
Category	Supplemental				GPS Latitude/Longitude																	
					Start	End																
Item	DWR UCIP Field Study				38.423418 °	38.423418 °																
					-121.529486 °	-121.529486 °																
DWR ID																						
Action/Comments																						
Inspector Comments: FS_ID:41535 DS_ID:22795 EP_NO: N/A FS_HLM: 0.737 Repair Type: Non-Urgent Crossing Status: Found																						



Electrical conduit shown at bottom of picture (pipe with 90-degree bend).

LM Start	0.74	Rating **	M	Issue No.	43 (cont)				
LM End	0.74	Issue Type +	En	Location *	LS				



3.5-inch electrical conduit shown at left of 10-inch pipe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	44													
LM End	0.74	Issue Type +	En	Location *	LS													
Category	Supplemental			GPS Latitude/Longitude														
				Start	End													
Item	DWR UCIP Field Study			38.423418 °	38.423418 °													
				-121.529486 °	-121.529486 °													
DWR ID																		
Action/Comments																		
Inspector Comments: FS_ID:15725 DS_ID:22796 EP_NO: 10514 FS_HLM: 0.737 Repair Type: Non-Urgent Crossing Status: Found																		

Photo 1 of 3 : UCIP_FA_2015_1472.jpg



Pipe with gate valve off LS toe.

Photo 2 of 3 : UCIP_FA_2015_1473.jpg



Siphon breaker at headwall on WS.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	44 (cont)									
LM End	0.74	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.423418 °	38.423418 °									
				-121.529486 °	-121.529486 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15725 DS_ID:22796 EP_NO: 10514 FS_HLM: 0.737 Repair Type: Non-Urgent Crossing Status: Found														

Photo 3 of 3 : UCIP_FA_2015_1474.jpg



Discharge pipe at concrete pad then down slope to water.

LM Start	0.74	Rating **	M	Issue No.	45									
LM End	0.74	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.423429 °	38.423429 °									
				-121.529491 °	-121.529491 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:41070 DS_ID:22811 EP_NO: 10514 FS_HLM: 0.737 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition of pipe and if abandoned, it should be done so properly. FIELD_STRUCT_DESC: 2 of 3: 4.5-inch galvanized iron irrigation pipe through the levee 3.0 feet below the crown. Slant pump, steel walkway, and steel vent pipe on the waterward slope. Pipe has shutoff valve off LS toe (Permit No. 10514, 1974). FS Date: 07/12/2013														

Photo 1 of 3 : UCIP_FA_2015_1469.jpg



Pipe, walkway, and vent on WS shoulder.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	45 (cont)									
LM End	0.74	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.423429 °	38.423429 °									
				-121.529491 °	-121.529491 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:41070 DS_ID:22811 EP_NO: 10514 FS_HLM: 0.737 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition of pipe and if abandoned, it should be done so properly. FIELD_STRUCT_DESC: 2 of 3: 4.5-inch galvanized iron irrigation pipe through the levee 3.0 feet below the crown. Slant pump, steel walkway, and steel vent pipe on the waterward slope. Pipe has shutoff valve off LS toe (Permit No. 10514, 1974). FS Date: 07/12/2013														



Pipe and slant pump on WS at concrete pad.

LM Start	0.74	Rating **	M	Issue No.	45 (cont)	
LM End	0.74	Issue Type +	En	Location *	LS	



Pipe with cap or gate valve on end off LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	46							
LM End	0.74	Issue Type +	En	Location *	LS							
Category	Supplemental			GPS Latitude/Longitude								
				Start	End							
Item	DWR UCIP Field Study			38.423429 °	38.423429 °							
				-121.529491 °	-121.529491 °							
DWR ID												
Action/Comments												
Inspector Comments: FS_ID:41556 DS_ID:22794 EP_NO: N/A FS_HLM: 0.737 Repair Type: Non-Urgent Crossing Status: Found												

LM Start	0.74	Rating **	M	Issue No.	46 (cont)	
LM End	0.74	Issue Type +	En	Location *	LS	

Photo 1 of 3 : UCIP_FA_2015_0548.jpg



4.5-inch pipe at headwall on WS slope.

Photo 2 of 3 : UCIP_FA_2015_0549.jpg



07-12-2013 10:36

4.5-inch pipe at headwall on WS slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	46 (cont)									
LM End	0.74	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.423429 °	38.423429 °									
				-121.529491 °	-121.529491 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:41556 DS_ID:22794 EP_NO: N/A FS_HLM: 0.737 Repair Type: Non-Urgent Crossing Status: Found														

Photo 3 of 3 : UCIP_FA_2015_0550.jpg



Pump on pier for 4.5-inch pipe sleeved through 10-inch.

LM Start	0.75	Rating **	N	Issue No.	17									
LM End	0.75	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.423560 °	38.423560 °									
				-121.529653 °	-121.529653 °									
DWR ID	DWR_RD0999_04_s_2012_17													
Action/Comments														
Tree stumps.														

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.81	Rating **	M	Issue No.	47																	
LM End	0.81	Issue Type +	En	Location *	LS																	
Category	Supplemental				GPS Latitude/Longitude																	
					Start	End																
Item	DWR UCIP Field Study				38.424399 °	38.424399 °																
					-121.530178 °	-121.530178 °																
DWR ID																						
Action/Comments																						
Inspector Comments: FS_ID:16389 DS_ID:22797 EP_NO: 1624 FS_HLM: 0.814 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee 3.0 feet below the crown. Pump and pile structure removed from waterside toe. Steel plate welded over WS end (Permit No. 1624, 1959). Replaces an existing facility north of this location. FS Date: 07/12/2013																						

LM Start	0.81	Rating **	M	Issue No.	47 (cont)				
LM End	0.81	Issue Type +	En	Location *	LS				

Photo 1 of 2 : UCIP_FA_2015_1267.jpg



Pipe and vent/siphon breaker on LS slope.

Photo 2 of 2 : UCIP_FA_2015_1276.jpg



Pipe with steel plate welded over WS end.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.82	Rating **	N	Issue No.	14		No Photos
LM End	0.82	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start	End		
Item	Trim / Thin Trees			38.424432	°	38.424432	°
				-121.530265	°	-121.530265	°
DWR ID	DWR_RD0999_04_s_2012_14						
Action/Comments							
Tree stumps.							

LM Start	0.84	Rating **	N	Issue No.	9		No Photos
LM End	0.84	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start	End		
Item	Trim / Thin Trees			38.424722	°	38.424722	°
				-121.530470	°	-121.530470	°
DWR ID	DWR_RD0999_04_s_2012_9						
Action/Comments							
Tree stumps.							

LM Start	0.90	Rating **	M	Issue No.	48		Photo 1 of 3 : UCIP_FA_2015_1343.jpg
LM End	0.90	Issue Type +	En	Location *	LS		
Category	Supplemental			GPS Latitude/Longitude			
				Start	End		
Item	DWR UCIP Field Study			38.425514	°	38.425514	°
				-121.530970	°	-121.530970	°
DWR ID							
Action/Comments							
Inspector Comments: FS_ID:15728 DS_ID:22806 EP_NO: N/A FS_HLM: 0.902 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 2 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder and likely in covered concrete well on WS shoulder. FS Date: 07/12/2013							



Assumed pipes are in concrete well on WS shoulder at same location.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	48 (cont)									
LM End	0.90	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.425514 °	38.425514 °									
				-121.530970 °	-121.530970 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15728 DS_ID:22806 EP_NO: N/A FS_HLM: 0.902 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 2 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder and likely in covered concrete well on WS shoulder. FS Date: 07/12/2013														



LM Start	0.90	Rating **	M	Issue No.	48 (cont)	
LM End	0.90	Issue Type +	En	Location *	LS	

Pipes visible in concrete well on LS shoulder.



Pipes visible in concrete well on LS shoulder.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	49										
LM End	0.90	Issue Type +	En	Location *	LS										
Category	Supplemental		GPS Latitude/Longitude												
			Start	End											
Item	DWR UCIP Field Study		38.425514 °	38.425514 °											
			-121.530970 °	-121.530970 °											
DWR ID															
Action/Comments															
Inspector Comments: FS_ID:15727 DS_ID:22799 EP_NO: N/A FS_HLM: 0.902 Repair Type: Non-Urgent Crossing Status: Found															

LM Start	0.90	Rating **	M	Issue No.	49 (cont)	
LM End	0.90	Issue Type +	En	Location *	LS	

Photo 1 of 3 : UCIP_FA_2015_1342.jpg



Pipes in concrete well on LS shoulder.

Photo 2 of 3 : UCIP_FA_2015_1475.jpg



07/12/2013 12:20

Assumed pipes inside concrete well on WS shoulder at same location.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	49 (cont)									
LM End	0.90	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.425514 °	38.425514 °									
				-121.530970 °	-121.530970 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15727 DS_ID:22799 EP_NO: N/A FS_HLM: 0.902 Repair Type: Non-Urgent Crossing Status: Found														

Photo 3 of 3 : UCIP_FA_2015_1476.jpg



Pipes in concrete well on LS shoulder.

LM Start	0.90	Rating **	M	Issue No.	50									
LM End	0.90	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.425514 °	38.425514 °									
				-121.530970 °	-121.530970 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16386 DS_ID:22810 EP_NO: N/A FS_HLM: 0.902 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 6 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder. FS Date: 07/12/2013														

Photo 1 of 3 : UCIP_FA_2015_1166.jpg



Assumed pipes are visible in concrete well on WS shoulder. Soil covers lid on concrete well.

* Location	** Rating
LS : Land Side	A : Acceptable
WS : Water Side	M : Minimally Acceptable
CR : Crown	U : Unacceptable

N/A : Not Applicable	N : Not Inspected/Rated
	C : Corrected
	A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	50 (cont)									
LM End	0.90	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.425514 °	38.425514 °									
				-121.530970 °	-121.530970 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16386 DS_ID:22810 EP_NO: N/A FS_HLM: 0.902 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 6 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder. FS Date: 07/12/2013														



LM Start	0.90	Rating **	M	Issue No.	50 (cont)	
LM End	0.90	Issue Type +	En	Location *	LS	

Pipes visible in concrete well on LS shoulder.



Pipes visible in concrete well on LS shoulder.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	51										
LM End	0.90	Issue Type +	En	Location *	LS										
Category	Supplemental		GPS Latitude/Longitude												
			Start	End											
Item	DWR UCIP Field Study		38.425514 °	38.425514 °											
			-121.530970 °	-121.530970 °											
DWR ID															
Action/Comments															
Inspector Comments: FS_ID:16385 DS_ID:22809 EP_NO: N/A FS_HLM: 0.902 Repair Type: Non-Urgent Crossing Status: Found															

Photo 1 of 3 : UCIP_FA_2015_1163.jpg



07/12/2013 12:20

Pipe assumed to be in concrete vault on WS shoulder.

Photo 2 of 3 : UCIP_FA_2015_1164.jpg



07/12/2013 12:14

Pipe in concrete vault on LS shoulder.

Photo 3 of 3 : UCIP_FA_2015_1165.jpg



07/12/2013 12:13

Pipe in concrete vault on LS shoulder.

LM Start	0.90	Rating **	M	Issue No.	51 (cont)	
LM End	0.90	Issue Type +	En	Location *	LS	

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	52										
LM End	0.90	Issue Type +	En	Location *	LS										
Category	Supplemental		GPS Latitude/Longitude												
			Start	End											
Item	DWR UCIP Field Study		38.425514 °	38.425514 °											
			-121.530970 °	-121.530970 °											
DWR ID															
Action/Comments															
Inspector Comments: FS_ID:16384 DS_ID:22807 EP_NO: N/A FS_HLM: 0.902 Repair Type: Non-Urgent Crossing Status: Found															

Photo 1 of 3 : UCIP_FA_2015_1105.jpg



Pipe assumed to be in concrete well on WS shoulder.

Photo 2 of 3 : UCIP_FA_2015_1161.jpg



Pipe in concrete vault on WS shoulder.

Photo 3 of 3 : UCIP_FA_2015_1162.jpg



Pipe in concrete vault on WS shoulder.

LM Start	0.90	Rating **	M	Issue No.	52 (cont)	
LM End	0.90	Issue Type +	En	Location *	LS	

Pipe in concrete vault on WS shoulder.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
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+ Issue Type

- Ma : Maintenance Deficiency
- Ob : Design & System Obsolescence
- En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	53		
LM End	0.90	Issue Type +	En	Location *	LS		
Category	Supplemental			GPS Latitude/Longitude			
				Start	End		
Item	DWR UCIP Field Study			38.425514 °	38.425514 °		
				-121.530970 °	-121.530970 °		
DWR ID	Action/Comments						
	Inspector Comments: FS_ID:15733 DS_ID:22808 EP_NO: N/A FS_HLM: 0.902 Repair Type: Non-Urgent Crossing Status: Found						

LM Start	0.90	Rating **	M	Issue No.	53 (cont)	
LM End	0.90	Issue Type +	En	Location *	LS	



Pipe assumed visible in concrete well on WS shoulder.



Pipe in concrete well on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown
** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	53 (cont)									
LM End	0.90	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.425514 °	38.425514 °									
				-121.530970 °	-121.530970 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15733 DS_ID:22808 EP_NO: N/A FS_HLM: 0.902 Repair Type: Non-Urgent Crossing Status: Found														



Pipe in concrete well on LS shoulder.

LM Start	0.91	Rating **	A/W	Issue No.	2									
LM End	0.91	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.425607 °	38.425607 °									
				-121.530937 °	-121.530937 °									
DWR ID	DWR_RD0999_04_s_2012_2													
Action/Comments														
Trim trees to at least five feet above ground level.														

No Photos

LM Start	0.94	Rating **	A/W	Issue No.	3									
LM End	0.98	Issue Type +	En	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.425972 °	38.426500 °									
				-121.531228 °	-121.531560 °									
DWR ID	DWR_RD0999_04_s_2012_3													
Action/Comments														
Trim trees to at least five feet above ground level.														

No Photos

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	0.99	Rating **	M	Issue No.	39		
LM End	0.99	Issue Type +	Ma	Location *	LS		No Photos
Category	Earthen Levee			GPS Latitude/Longitude			
				Start	End		
Item	Trim / Thin Trees			38.426644 °	38.426644 °		
				-121.531675 °	-121.531675 °		
DWR ID	DWR_RD0999_04_f_2015_39						
Action/Comments							
Trim trees to at least five feet above ground level.							

LM Start	1.00	Rating **	M	Issue No.	54		
LM End	1.00	Issue Type +	En	Location *	LS		
Category	Supplemental			GPS Latitude/Longitude			
				Start	End		
Item	DWR UCIP Field Study			38.426709 °	38.426709 °		
				-121.531725 °	-121.531725 °		
DWR ID							
Action/Comments							
Inspector Comments: FS_ID:16387 DS_ID:22800 EP_NO: N/A FS_HLM: 0.995 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 24-inch pipe through the levee 13.0 feet below the crown. Pipe measures 16-inches in diameter on WS and 24-inches on the LS toe. Gate valve in 9'X18' concrete well on the waterward slope. Slant pump missing from waterward slope. Concrete distribution house/box at LS toe. 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 07/12/2013							



9'X18' concrete box with gatevalve on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/W : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	1.00	Rating **	M	Issue No.	54 (cont)									
LM End	1.00	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.426709 °	38.426709 °									
				-121.531725 °	-121.531725 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16387 DS_ID:22800 EP_NO: N/A FS_HLM: 0.995 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 24-inch pipe through the levee 13.0 feet below the crown. Pipe measures 16-inches in diameter on WS and 24-inches on the LS toe. Gate valve in 9'X18' concrete well on the waterward slope. Slant pump missing from waterward slope. Concrete distribution house/box at LS toe. 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 07/12/2013														



LM Start	1.00	Rating **	M	Issue No.	54 (cont)	
LM End	1.00	Issue Type +	En	Location *	LS	

Slant pump missing from pier on WS slope.



Slide gate in 9'X18' concrete box on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	1.04	Rating **	U	Issue No.	16																			
LM End	1.04	Issue Type +	Ma	Location *	LS																			
Category Earthen Levee				GPS Latitude/Longitude																				
				Start	End																			
Item Vegetation				38.427295 °	38.427295 °																			
				-121.532164 °	-121.532164 °																			
DWR ID	DWR_RD0999_04_f_2012_16																							
Action/Comments																								
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Blackberries blocking view of landward toe.																								

Photo 1 of 3 : FA_2015_RD0999_235_16_20151106_00031.jpg



Looking northwest at dense vines at landward toe. Fall 2015

Photo 2 of 3 : FA_2015_RD0999_235_16_20150914_00014.jpg



Looking southwest at dense berry vines at landward toe. 2013

Photo 3 of 3 : FA_2015_RD0999_235_16_20150914_00015.jpg



Looking south at dense berryvines on landside toe. 2012

LM Start	1.04	Rating **	U	Issue No.	16 (cont)				
LM End	1.04	Issue Type +	Ma	Location *	LS				

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	1.15	Rating **	U	Issue No.	5										
LM End	1.15	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.428823 °	38.428823 °										
				-121.532885 °	-121.532885 °										
DWR ID	DWR_RD0999_04_s_2012_5														
Action/Comments															
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berry vines and wild roses on landside toe.															

Photo 1 of 3 : FA_2015_RD0999_235_5_20151106_00032.jpg



Looking at dense vines at landward toe. Fall 2015.

LM Start	1.15	Rating **	U	Issue No.	5 (cont)	
LM End	1.15	Issue Type +	Ma	Location *	LS	

Photo 2 of 3 : FA_2015_RD0999_235_5_20150914_00002.jpg



Looking north at dense vegetation on landside slope near ramp.

LM Start	1.15	Rating **	U	Issue No.	5 (cont)	
LM End	1.15	Issue Type +	Ma	Location *	LS	

Photo 3 of 3 : FA_2015_RD0999_235_5_20150914_00003.jpg



Looking northwest at dense wild roses and berry vines on landside toe near ramp.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable
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N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	1.16	Rating **	U	Issue No.	40							
LM End	1.16	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Erosion / Bank Caving		38.428877 °	38.428877 °	-121.532922 °	-121.532922 °						
DWR ID	DWR_RD0999_04_f_2015_40											
Action/Comments												
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Large hole and erosion on landward shoulder, slope and toe.												

Photo 1 of 3 : FA_2015_RD0999_235_40_20151106_00033.jpg



Looking southwest at shoulder erosion and caving at landward slope and toe.

LM Start	1.16	Rating **	U	Issue No.	40 (cont)	
LM End	1.16	Issue Type +	Ma	Location *	LS	

Photo 2 of 3 : FA_2015_RD0999_235_40_20151106_00034.jpg



Looking west at caving at landward slope and toe.

LM Start	1.16	Rating **	U	Issue No.	40 (cont)	
LM End	1.16	Issue Type +	Ma	Location *	LS	

Photo 3 of 3 : FA_2015_RD0999_235_40_20151106_00035.jpg



Looking east at erosion on landward shoulder.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/29/2015 10/29/2015	Richard Willoughby

LM Start	1.20	Rating **	M	Issue No.	22							
LM End	1.22	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Trim / Thin Trees			○	○	○						
DWR ID	DWR_RD0999_04_f_2013_22											
Action/Comments												
Trim and thin trees to allow visibility of the ground and room to flood fight.												

Photo 1 of 1 : FA_2015_RD0999_235_22_20150914_00018.jpg



Looking south at dense trees on landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway			Bank	Unit Miles
Unit No. 05 Elk Slough			Right	9.48
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/24/2015 - 03/26/2015		11/02/2015 - 11/04/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	4		No Photos											
LM End	9.48	Issue Type +	Ob	Location *	WS													
Category	Supplemental			GPS Latitude/Longitude														
				Start	End													
Item	2015 USACE Erosion Survey, DRAFT			38.332643 °	38.414157 °													
				-121.584449 °	-121.523156 °													
DWR ID																		
Action/Comments																		
Inspector Comments: 1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012 - New cracks and animal holes observed. 2013 - Fresh erosion around pump structure. 2015: No observed changes. [2015 Site ID: ELK_0-2_R]																		

LM Start	0.02	Rating **	M	Issue No.	210		No Photos											
LM End	0.02	Issue Type +	En	Location *	WS													
Category	Supplemental			GPS Latitude/Longitude														
				Start	End													
Item	DWR UCIP Field Study			38.332875 °	38.332875 °													
				-121.584529 °	-121.584529 °													
DWR ID																		
Action/Comments																		
Inspector Comments: FS_ID:24439 DS_ID:22838 EP_NO: N/A FS_HLM: 0.038 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 10-inch pipe through levee 7.7 feet below crown (burned down pump house and valve closed) Service pole on the waterward slope (Unable to locate concrete distribution box 3/91). Originally included in the 1966 O&M manual. Located electromagnetically at this location. FS Date: 06/27/2013																		

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.05	Rating **	M	Issue No.	178										
LM End	0.05	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.333308 °	38.333308 °										
				-121.584494 °	-121.584494 °										
DWR ID	DWR_RD0999_05_s_2015_178														
Action/Comments															
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove trees under an inch in diameter on landward slope. Don't allow young trees to get established.															

Photo 1 of 1 : FA_2015_RD0999_236_178_20150914_00112.jpg



Looking at typical view of young oak trees on landward slope. (Spring 2015)

LM Start	0.10	Rating **	A/W	Issue No.	72										
LM End	0.10	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			°	°										
				°	°										
DWR ID	DWR_RD0999_05_f_2013_72														
Action/Comments															
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove small oak trees from landward slope before trees are established.															

Photo 1 of 1 : FA_2015_RD0999_236_72_20150914_00066.jpg



Looking west at small oak trees on landward slope.

LM Start	0.20	Rating **	M	Issue No.	179										
LM End	0.23	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.335430 °	38.335881 °										
				-121.583888 °	-121.583598 °										
DWR ID	DWR_RD0999_05_s_2015_179														
Action/Comments															
Trim trees to at least five feet above ground level.															

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

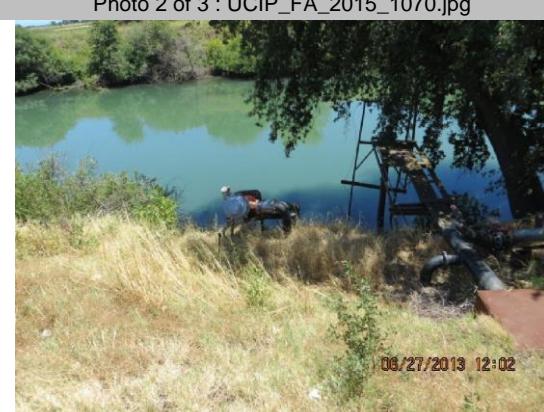
Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.21	Rating **	M	Issue No.	211																
LM End	0.21	Issue Type +	En	Location *	LS																
Category				GPS Latitude/Longitude																	
				Start	End																
Item				DWR UCIP Field Study	38.335568 °	38.335568 °															
					-121.583780 °	-121.583780 °															
DWR ID																					
Action/Comments																					
Inspector Comments: FS_ID:15411 DS_ID:22839 EP_NO: N/A FS_HLM: 0.231 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Walkway to pump on pier is falling appart and should be removed. FIELD_STRUCT_DESC: 12-inch pipe through levee 11.0 feet below crown. 10-inch pipe visible on slopes and at Slant pump on waterward slope (Pump on structure removed). Additional slant pump on WS slope ties into pipe at WS. 30-inch steel standpipe on LS toe. Butterfly valves located on both sides of levee. 3'X3' steel junction box on WS shoulder and a 31"X60" steel junction box on LS shoulder. Service pole on both slopes. Originally included in the 1966 O&M manual. FS Date: 06/27/2013																					



Steel junction box, vent, butterfly valve, and standpipe visible on LS slope.

LM Start	0.21	Rating **	M	Issue No.	211 (cont)				
LM End	0.21	Issue Type +	En	Location *	LS				



2nd Pump visible on WS slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.21	Rating **	M	Issue No.	211 (cont)									
LM End	0.21	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.335568 °	38.335568 °									
				-121.583780 °	-121.583780 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15411 DS_ID:22839 EP_NO: N/A FS_HLM: 0.231 Repair Type: Non-Urgent Crossing Status: Found														



Pump and steel junction box visible on WS slope.

LM Start	0.25	Rating **	A/W	Issue No.	1									
LM End	0.29	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Animal Control			38.336113 °	38.336663 °									
				-121.583418 °	-121.583027 °									
DWR ID	DWR_RD0999_05_s_2012_1													
Action/Comments														
Exterminate rodents and backfill and compact or grout burrows.														

No Photos

LM Start	0.37	Rating **	U	Issue No.	8									
LM End	0.45	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.337654 °	38.338790 °									
				-121.582427 °	-121.582184 °									
DWR ID	DWR_RD0999_05_s_2012_8													
Action/Comments														
Trim and thin trees to allow visibility of the ground and room to flood fight.														



Looking north at dense vegetation on landside slope and toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.37	Rating **	M	Issue No.	3													
LM End	0.39	Issue Type +	Ma	Location *	WS				No Photos									
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Trim / Thin Trees			38.337697 °	38.337963 °													
				-121.582420 °	-121.582352 °													
DWR ID	DWR_RD0999_05_s_2012_3																	
Action/Comments																		
Trim trees to at least five feet above ground level.																		

LM Start	0.37	Rating **	M	Issue No.	53													
LM End	0.37	Issue Type +	Ma	Location *	LS				No Photos									
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Vegetation			38.337753 °	38.337753 °													
				-121.582445 °	-121.582445 °													
DWR ID	DWR_RD0999_05_s_2012_53																	
Action/Comments																		
Remove the wild growth other than native grasses from the levee slopes.																		

LM Start	0.40	Rating **	U	Issue No.	25													
LM End	0.44	Issue Type +	Ma	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Vegetation			38.338075 °	38.338688 °													
				-121.582322 °	-121.582193 °													
DWR ID	DWR_RD0999_05_s_2012_25																	
Action/Comments																		
Remove the wild growth other than native grasses from the levee slopes.																		
Inspector Comments: Elderberries within vegetation area.																		



Photo 1 of 4 : FA_2015_RD0999_236_25_20150914_00024.jpg

Looking northwest at dense vegetation on landside slope and toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.40	Rating **	U	Issue No.	25 (cont)				
LM End	0.44	Issue Type +	Ma	Location *	LS				
Category			Earthen Levee			GPS Latitude/Longitude			
						Start			
Item			Vegetation			38.338075 °			
						-121.582322 °			
DWR ID			38.338688 °			-121.582193 °			
Action/Comments									
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Elderberries within vegetation area.									

Photo 2 of 4 : FA_2015_RD0999_236_25_20150914_00025.jpg



Looking southwest at vegetation on landside slope and toe. (Fall 2012)

Photo 3 of 4 : FA_2015_RD0999_236_25_20150914_00026.jpg



Looking northwest at vegetation on landside shoulder. (Fall 2012)

Photo 4 of 4 : FA_2015_RD0999_236_25_20150914_00027.jpg



Looking southwest at dense berry vines on landside toe.

LM Start	0.40	Rating **	U	Issue No.	25 (cont)	
LM End	0.44	Issue Type +	Ma	Location *	LS	

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.44	Rating **	A/W	Issue No.	26							
LM End	0.45	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.338647 °	38.338868 °	-121.582217 °	-121.582163 °						
DWR ID	DWR_RD0999_05_s_2012_26											
Action/Comments												
Prunings												

Photo 1 of 1 : FA_2015_RD0999_236_26_20150914_00028.jpg



Looking northeast at prunings on waterside slope.

LM Start	0.50	Rating **	A/W	Issue No.	135							
LM End	0.50	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Trim / Thin Trees		38.339510 °	38.339510 °	-121.582081 °	-121.582081 °						
DWR ID	DWR_RD0999_05_f_2013_135											
Action/Comments												
Trim trees to at least five feet above ground level.												

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.50	Rating **	M	Issue No.	212											
LM End	0.50	Issue Type +	En	Location *	LS											
Category				GPS Latitude/Longitude												
				Start	End											
Item				DWR UCIP Field Study	38.339607 °	38.339607 °										
					-121.582091 °	-121.582091 °										
DWR ID																
Action/Comments																
Inspector Comments: FS_ID:15413 DS_ID:22840 EP_NO: 6081 FS_HLM: 0.533 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some settlement along LS and WS slopes. Good candidated for video inspection. FIELD_STRUCT_DESC: 10-inch steel pipe through levee 3.3 feet below crown. Pump and butterfly valve in pump house on waterward slope. Vent in 10-inch steel standpipe on LS slope (Permit No. 6081,1968). Replaces an existing 10-inch pipe. FS Date: 06/27/2013																



LM Start	0.50	Rating **	M	Issue No.	212 (cont)				
LM End	0.50	Issue Type +	En	Location *	LS				

Vent in 10-inch riser on LS slope.



Butterfly valve at pumphouse on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.50	Rating **	M	Issue No.	212 (cont)									
LM End	0.50	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.339607 °	38.339607 °									
				-121.582091 °	-121.582091 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15413 DS_ID:22840 EP_NO: 6081 FS_HLM: 0.533 Repair Type: Non-Urgent Crossing Status: Found														



Pump in pumphouse on WSs slope.

LM Start	0.54	Rating **	M	Issue No.	7									
LM End	0.58	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.340070 °	38.340623 °									
				-121.581980 °	-121.581872 °									
DWR ID	DWR_RD0999_05_s_2012_7													
Action/Comments														
Trim and thin trees to allow visibility of the ground and room to flood fight.														

No Photos

LM Start	0.54	Rating **	M	Issue No.	27									
LM End	0.57	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.340124 °	38.340560 °									
				-121.582039 °	-121.581905 °									
DWR ID	DWR_RD0999_05_s_2012_27													
Action/Comments														
Trim and thin trees to allow visibility of the ground and room to flood fight.														

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.58	Rating **	M	Issue No.	213																	
LM End	0.58	Issue Type +	En	Location *	WS																	
Category				GPS Latitude/Longitude																		
				Start	End																	
Item				38.340651 °	38.340651 °																	
				-121.581861 °	-121.581861 °																	
DWR ID																						
Action/Comments																						
Inspector Comments: FS_ID:15414 DS_ID:22841 EP_NO: N/A FS_HLM: 0.608 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 16-inch pipe through levee 6.0 feet below crown. Concrete pumphouse on WS slope. Originally included in the 1966 O&M manual. FS Date: 06/27/2013																						



Pipe may be aligned with concrete standpipe at LS toe, but no pipe is visible on LS.

LM Start	0.58	Rating **	M	Issue No.	213 (cont)				
LM End	0.58	Issue Type +	En	Location *	WS				



Pipe visible on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.58	Rating **	M	Issue No.	213 (cont)									
LM End	0.58	Issue Type +	En	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.340651 °	38.340651 °									
				-121.581861 °	-121.581861 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15414 DS_ID:22841 EP_NO: N/A FS_HLM: 0.608 Repair Type: Non-Urgent Crossing Status: Found														

Photo 3 of 3 : UCIP_FA_2015_1122.jpg



Pipe visible inside abandoned pumphouse on WS slope.

LM Start	0.60	Rating **	M	Issue No.	98									
LM End	0.60	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.340919 °	38.340919 °									
				-121.581716 °	-121.581716 °									
DWR ID	DWR_RD0999_05_s_2012_98													
Action/Comments														
Trim trees to at least five feet above ground level.														

No Photos

LM Start	0.68	Rating **	A/W	Issue No.	189									
LM End	0.68	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Vegetation			38.342032 °	38.342032 °									
				-121.581372 °	-121.581372 °									
DWR ID	DWR_RD0999_05_f_2014_189													
Action/Comments														
Remove the wild growth other than native grasses from the levee slopes.														
Inspector Comments: Dense wild grapevines on landward slope.														

Photo 1 of 1 : FA_2015_RD0999_236_189_20150914_00115.jpg



Looking northwest at dense vegetation on landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.69	Rating **	A/W	Issue No.	9										
LM End	0.71	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Trim / Thin Trees		38.342180 °	38.342537 °											
			-121.581230 °	-121.581263 °											
DWR ID	DWR_RD0999_05_s_2012_9														
Action/Comments															
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: District or landowner trimmed trees to comply with standards.															

Photo 1 of 6 : FA_2015_RD0999_236_9_20150914_00005.jpg



Looking northwest at landward slope. (Spring 2015)

Photo 2 of 6 : FA_2015_RD0999_236_9_20150914_00006.jpg



Looking south at landward slope. (Spring 2015)

LM Start	0.69	Rating **	A/W	Issue No.	9 (cont)	
LM End	0.71	Issue Type +	Ma	Location *	LS	

Photo 3 of 6 : FA_2015_RD0999_236_9_20150914_00007.jpg



Looking northwest at dense trees at landside slope and toe. (Spring 2013)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.69	Rating **	A/W	Issue No.	9 (cont)										
LM End	0.71	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Trim / Thin Trees		38.342180 °	38.342537 °											
			-121.581230 °	-121.581263 °											
DWR ID	DWR_RD0999_05_s_2012_9														
Action/Comments															
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: District or landowner trimmed trees to comply with standards.															

Photo 4 of 6 : FA_2015_RD0999_236_9_20150914_00008.jpg



Looking west at trimmed trees on landside slope. (Spring 2012)

Photo 5 of 6 : FA_2015_RD0999_236_9_20150914_00009.jpg



Looking west at dense trees on landside slope and toe. (Spring 2011)

LM Start	0.69	Rating **	A/W	Issue No.	9 (cont)	
LM End	0.71	Issue Type +	Ma	Location *	LS	

Photo 6 of 6 : FA_2015_RD0999_236_9_20150914_00010.jpg



Front view of dense trees at landside shoulder. (Spring 2011)

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.70	Rating **	U	Issue No.	170										
LM End	0.70	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.342288 °	38.342288 °										
				-121.581278 °	-121.581278 °										
DWR ID	DWR_RD0999_05_f_2015_170														
Action/Comments															
Building Inspector Comments: Toolshed at landward toe.															

Photo 1 of 1 : FA_2015_RD0999_236_170_20151106_00152.jpg



Looking at the toolshed at the landward toe.

LM Start	0.72	Rating **	M	Issue No.	214										
LM End	0.72	Issue Type +	En	Location *	LS										
Category	Supplemental			GPS Latitude/Longitude											
				Start	End										
Item	DWR UCIP Field Study			38.342653 °	38.342653 °										
				-121.581236 °	-121.581236 °										
DWR ID															
Action/Comments															
Inspector Comments: FS_ID:15450 DS_ID:22842 EP_NO: N/A FS_HLM: 0.753 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 6-inch pipe through levee 11.5 feet below crown. Pump and gate valve in pump house on the waterward slope. 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 06/27/2013															

Photo 1 of 2 : UCIP_FA_2015_1299.jpg



Pipe rusted through at gatevalve inside pumphouse.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

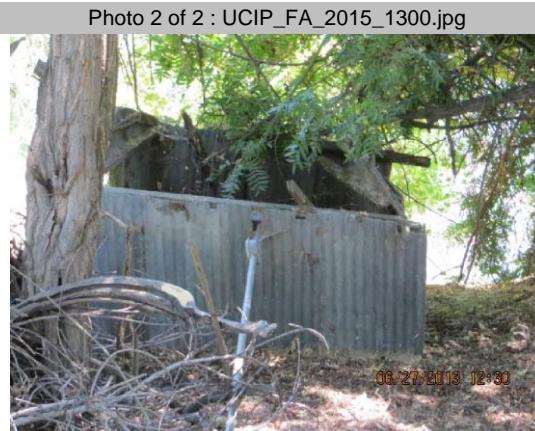
Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.72	Rating **	M	Issue No.	214 (cont)									
LM End	0.72	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.342653 °	38.342653 °									
				-121.581236 °	-121.581236 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15450 DS_ID:22842 EP_NO: N/A FS_HLM: 0.753 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 6-inch pipe through levee 11.5 feet below crown. Pump and gate valve in pump house on the waterward slope. 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 06/27/2013														



Pumphouse on WS slope with electrical conduit shown.

LM Start	0.75	Rating **	A/W	Issue No.	10									
LM End	0.90	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.343058 °	38.345210 °									
				-121.581263 °	-121.580713 °									
DWR ID	DWR_RD0999_05_s_2012_10													
Action/Comments														
Trim and thin trees to allow visibility of the ground and room to flood fight.														

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.77	Rating **	U	Issue No.	23										
LM End	0.77	Issue Type +	En	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.343358 °	38.343358 °											
			-121.581295 °	-121.581295 °											
DWR ID	DWR_RD0999_05_f_2012_23														
Action/Comments															
Building Inspector Comments: Storage shed at landside toe and within the 10' easement.															

Photo 1 of 2 : FA_2015_RD0999_236_23_20150914_00021.jpg



Looking northwest at abandoned storage shed at landward toe. (Spring 2015)

LM Start	0.77	Rating **	U	Issue No.	23 (cont)	
LM End	0.77	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_236_23_20150914_00022.jpg



Looking northwest at storage shed at landside toe and within the 10' easement.

LM Start	0.78	Rating **	M	Issue No.	128										
LM End	0.78	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Trim / Thin Trees		38.343495 °	38.343495 °											
			-121.581282 °	-121.581282 °											
DWR ID	DWR_RD0999_05_s_2012_128														
Action/Comments															
Trim and thin trees to allow visibility of the ground and room to flood fight.															

Photo 1 of 2 : FA_2015_RD0999_236_128_20150914_00088.jpg



Looking northwest at untrimmed trees on landward slope. (Spring 2015)

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.78	Rating **	M	Issue No.	128 (cont)															
LM End	0.78	Issue Type +	Ma	Location *	LS															
Category	Earthen Levee			GPS Latitude/Longitude																
				Start	End															
Item	Trim / Thin Trees			38.343495 °	38.343495 °															
				-121.581282 °	-121.581282 °															
DWR ID	DWR_RD0999_05_s_2012_128																			
Action/Comments																				
Trim and thin trees to allow visibility of the ground and room to flood fight.																				



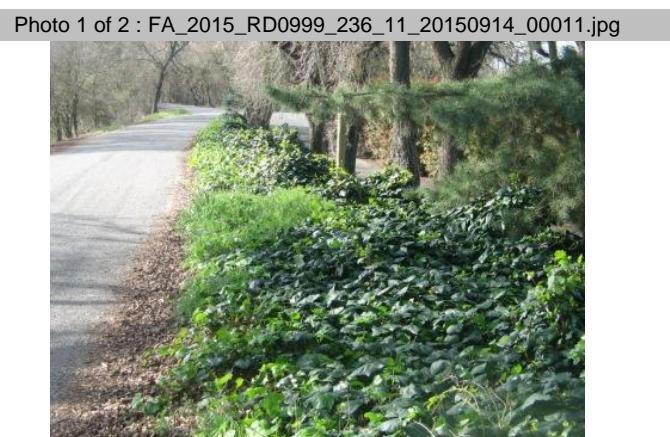
Looking at dense trees on landside slope and toe.

LM Start	0.79	Rating **	U	Issue No.	190															
LM End	0.79	Issue Type +	Ma	Location *	LS															
Category	Earthen Levee			GPS Latitude/Longitude																
				Start	End															
Item	Trim / Thin Trees			38.343606 °	38.343606 °															
				-121.581279 °	-121.581279 °															
DWR ID	DWR_RD0999_05_f_2014_190																			
Action/Comments																				
Trim and thin trees to allow visibility of the ground and room to flood fight.																				



Looking west at dense vegetation on landward slope and toe.

LM Start	0.80	Rating **	U	Issue No.	11															
LM End	0.90	Issue Type +	En	Location *	LS															
Category	Earthen Levee			GPS Latitude/Longitude																
				Start	End															
Item	Vegetation			38.343825 °	38.345215 °															
				-121.581133 °	-121.580728 °															
DWR ID	DWR_RD0999_05_s_2012_11																			
Action/Comments																				
Landscaping																				



View of landscaping (Ivy) looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.80	Rating **	U	Issue No.	11 (cont)										
LM End	0.90	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.343825 °	38.345215 °										
				-121.581133 °	-121.580728 °										
DWR ID	DWR_RD0999_05_s_2012_11														
Action/Comments															
Landscaping															

Photo 2 of 2 : FA_2015_RD0999_236_11_20150914_00012.jpg



View of landscaping (Ivy) blocking view of landside slope from.

LM Start	0.91	Rating **	A/W	Issue No.	13										
LM End	1.05	Issue Type +	En	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.345402 °	38.347133 °										
				-121.580655 °	-121.579573 °										
DWR ID	DWR_RD0999_05_s_2012_13														
Action/Comments															
Remove the wild growth other than native grasses from the levee slopes.															

No Photos

LM Start	0.93	Rating **	M	Issue No.	197										
LM End	0.95	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.345564 °	38.345844 °										
				-121.580614 °	-121.580458 °										
DWR ID	DWR_RD0999_05_f_2014_197														
Action/Comments															
Trim trees to at least five feet above ground level.															

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections
Levee Inspection Report By Mile - Fall 2015
Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	0.99	Rating **	M	Issue No.	136						
LM End	1.02	Issue Type +	En	Location *	LS						
Category	Earthen Levee			GPS Latitude/Longitude							
				Start	End						
Item	Encroachments			°	°						
DWR ID	DWR_RD0999_05_f_2013_136						Action/Comments				
Fence Inspector Comments: Fencing on landward slope.											

Photo 1 of 1 : FA_2015_RD0999_236_136_20150914_00095.jpg



Looking northwest at fence on landward slope.

No Photos

LM Start	1.00	Rating **	M	Issue No.	180				
LM End	1.02	Issue Type +	Ma	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Trim / Thin Trees			38.346477 °	38.346864 °	°			
				-121.580086 °	-121.579864 °	°			
DWR ID	DWR_RD0999_05_s_2015_180						Action/Comments		
Trim trees to at least five feet above ground level.									

No Photos

LM Start	1.04	Rating **	M	Issue No.	146						
LM End	1.06	Issue Type +	Ma	Location *	LS						
Category	Earthen Levee			GPS Latitude/Longitude							
				Start	End						
Item	Trim / Thin Trees			°	°						
				°	°						
DWR ID	DWR_RD0999_05_f_2013_146						Action/Comments				
Trim and thin trees to allow visibility of the ground and room to flood fight.											

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.07	Rating **	M	Issue No.	14												
LM End	1.11	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees		38.347427 °	38.347863 °													
			-121.579395 °	-121.579113 °													
DWR ID	DWR_RD0999_05_s_2012_14																
Action/Comments																	
Trim trees to at least five feet above ground level.																	



Looking west at dense trees on landside slope and toe.

LM Start	1.13	Rating **	M	Issue No.	215									
LM End	1.13	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study		38.348113 °	38.348113 °										
			-121.578841 °	-121.578841 °										
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16336 DS_ID:23964 EP_NO: N/A FS_HLM: 1.165 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be removed. FIELD_STRUCT_DESC: *Abandoned*10-inch steel irrigation pipe through levee 6.5-feet below crown. Pipe extends under metal walkway on WS shoulder. FS Date: 06/27/2013														

Photo 1 of 2 : UCIP_FA_2015_1355.jpg



Pipe visible beneath 10-inch pipe that is currently in use. No connection.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.13	Rating **	M	Issue No.	215 (cont)									
LM End	1.13	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.348113 °	38.348113 °									
				-121.578841 °	-121.578841 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16336 DS_ID:23964 EP_NO: N/A FS_HLM: 1.165 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be removed. FIELD_STRUCT_DESC: *Abandoned*10-inch steel irrigation pipe through levee 6.5-feet below crown. Pipe extends under metal walkway on WS shoulder. FS Date: 06/27/2013														



Pipe visible on LS shoulder.

LM Start	1.15	Rating **	M	Issue No.	15									
LM End	1.19	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.348237 °	38.348328 °									
				-121.578440 °	-121.577735 °									
DWR ID	DWR_RD0999_05_s_2012_15													
Action/Comments														
Trim trees to at least five feet above ground level.														



Looking north at untrimmed trees on landward slope and toe. (Spring 2015)

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.19	Rating **	M	Issue No.	147																
LM End	1.19	Issue Type +	Ma	Location *	LS		No Photos														
Category	Earthen Levee			GPS Latitude/Longitude																	
				Start	End																
Item	Vegetation				°	°															
DWR ID	DWR_RD0999_05_f_2013_147																				
Action/Comments																					
Remove the wild growth other than native grasses from the levee slopes.																					

LM Start	1.20	Rating **	M	Issue No.	76																
LM End	1.22	Issue Type +	En	Location *	LS																
Category	Earthen Levee			GPS Latitude/Longitude																	
				Start	End																
Item	Encroachments			38.348336 °	38.348332 °																
				-121.577621 °	-121.577172 °																
DWR ID	DWR_RD0999_05_s_2012_76																				
Action/Comments																					
Fence Inspector Comments: Fence is located on landside shoulder.																					

Photo 1 of 1 : FA_2015_RD0999_236_76_20150914_00068.jpg



Looking north at fence along landside slope.

LM Start	1.25	Rating **	M	Issue No.	171																
LM End	1.25	Issue Type +	En	Location *	LS																
Category	Earthen Levee			GPS Latitude/Longitude																	
				Start	End																
Item	Encroachments			38.348319 °	38.348319 °																
				-121.576566 °	-121.576566 °																
DWR ID	DWR_RD0999_05_f_2015_171																				
Action/Comments																					
Equipment Inspector Comments: Old farm equipment on landward slope																					

Photo 1 of 1 : FA_2015_RD0999_236_171_20151106_00156.jpg



Looking at farm equipment on landward slope.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.27	Rating **	U	Issue No.	172										
LM End	1.27	Issue Type +	En	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.348304 °	38.348304 °											
			-121.576207 °	-121.576207 °											
DWR ID	DWR_RD0999_05_f_2015_172														
Action/Comments															
Building Inspector Comments: Toolshed excavated into landward toe.															

Photo 1 of 3 : FA_2015_RD0999_236_172_20151106_00154.jpg



Looking southwest at toolshed at landward toe.

Photo 2 of 3 : FA_2015_RD0999_236_172_20151106_00155.jpg



Looking west at toolshed at landward toe.

Photo 3 of 3 : FA_2015_RD0999_236_172_20151106_00157.jpg



Looking at northwest at toolshed at landward toe.

LM Start	1.27	Rating **	U	Issue No.	172 (cont)	
LM End	1.27	Issue Type +	En	Location *	LS	

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Tuesday, January 05, 2016 16:39

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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FINAL DATA

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.30	Rating **	M	Issue No.	2									
LM End	1.36	Issue Type +	En	Location *	LS									
Category	Earthen Levee		GPS Latitude/Longitude											
			Start	End										
Item	Vegetation		38.348267 °	38.348188 °										
			-121.575802 °	-121.574690 °										
DWR ID	DWR_RD0999_05_s_2012_2													
Action/Comments														
Landscaping Inspector Comments: Control landscaping on landward slope. Landowner has trimmed landscaping. But has not removed century plant on landward shoulder.														

Photo 1 of 3 : FA_2015_RD0999_236_2_20150914_00001.jpg



Looking south at landward slope. (Spring 205)

LM Start	1.30	Rating **	M	Issue No.	2 (cont)	
LM End	1.36	Issue Type +	En	Location *	LS	

Photo 2 of 3 : FA_2015_RD0999_236_2_20150914_00002.jpg



Looking northwest at landscaping on landward slope.

LM Start	1.30	Rating **	M	Issue No.	2 (cont)	
LM End	1.36	Issue Type +	En	Location *	LS	

Photo 3 of 3 : FA_2015_RD0999_236_2_20150914_00003.jpg



Looking south at landscaping on landward slope.

* Location	** Rating
LS : Land Side	A : Acceptable
N/A : Not Applicable	M : Minimally Acceptable
WS : Water Side	C : Corrected
CR : Crown	U : Unacceptable
	A/W : Acceptable but Monitor & Maintain

* Location	** Rating
LS : Land Side	A : Acceptable
N/A : Not Applicable	M : Minimally Acceptable
WS : Water Side	C : Corrected
CR : Crown	U : Unacceptable
	A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.30	Rating **	A/W	Issue No.	36											
LM End	1.30	Issue Type +	Ma	Location *	WS											
Category	Earthen Levee			GPS Latitude/Longitude												
				Start	End											
Item	Trim / Thin Trees			38.348252 °	38.348252 °											
				-121.575704 °	-121.575704 °											
DWR ID	DWR_RD0999_05_s_2012_36							No Photos								
Action/Comments																
Trim trees to at least five feet above ground level.																

LM Start	1.38	Rating **	A/W	Issue No.	198											
LM End	1.38	Issue Type +	Ma	Location *	LS											
Category	Earthen Levee			GPS Latitude/Longitude												
				Start	End											
Item	Trim / Thin Trees			38.348133 °	38.348133 °											
				-121.574319 °	-121.574319 °											
DWR ID	DWR_RD0999_05_f_2014_198							No Photos								
Action/Comments																
Trim trees to at least five feet above ground level.																

LM Start	1.38	Rating **	M	Issue No.	149											
LM End	1.41	Issue Type +	En	Location *	LS											
Category	Earthen Levee			GPS Latitude/Longitude												
				Start	End											
Item	Vegetation			°	°											
				°	°											
DWR ID	DWR_RD0999_05_f_2013_149							Action/Comments								
Landscaping																
Inspector Comments: Large cactus plants on landward slope.																

Photo 1 of 1 : FA_2015_RD0999_236_149_20150914_00100.jpg



Looking northwest at several cactus plants on landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.39	Rating **	M	Issue No.	129										
LM End	1.39	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.348100 °	38.348100 °										
				-121.574075 °	-121.574075 °										
DWR ID	DWR_RD0999_05_s_2012_129														
Action/Comments															
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berry vines and century plants on landside toe and slope.															

Photo 1 of 2 : FA_2015_RD0999_236_129_20150914_00090.jpg



Looking southwest at berry vines on landward slope.

Photo 2 of 2 : FA_2015_RD0999_236_129_20150914_00091.jpg



Looking west at century plants on landward slope.

LM Start	1.46	Rating **	M	Issue No.	18										
LM End	1.83	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.348670 °	38.353852 °										
				-121.573320 °	-121.573570 °										
DWR ID	DWR_RD0999_05_s_2012_18														
Action/Comments															
Trim and thin trees to allow visibility of the ground and room to flood fight.															

Photo 1 of 2 : FA_2015_RD0999_236_18_20150914_00019.jpg



Side view of dense trees along waterside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.46	Rating **	M	Issue No.	18 (cont)				
LM End	1.83	Issue Type +	Ma	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Trim / Thin Trees			38.348670 °	38.353852 °				
				-121.573320 °	-121.573570 °				
DWR ID	DWR_RD0999_05_s_2012_18						Action/Comments		
Trim and thin trees to allow visibility of the ground and room to flood fight.									

Photo 2 of 2 : FA_2015_RD0999_236_18_20150914_00020.jpg



Front view of dense trees along waterside slope.

LM Start	1.50	Rating **	A/W	Issue No.	19				
LM End	1.53	Issue Type +	Ma	Location *	WS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Animal Control			38.349152 °	38.349582 °				
				-121.573493 °	-121.573538 °				
DWR ID	DWR_RD0999_05_s_2012_19						Action/Comments		
Exterminate rodents and backfill and compact or grout burrows.									

No Photos

LM Start	1.55	Rating **	A/W	Issue No.	20				
LM End	1.61	Issue Type +	Ma	Location *	WS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Trim / Thin Trees			38.349835 °	38.350717 °				
				-121.573643 °	-121.573887 °				
DWR ID	DWR_RD0999_05_s_2012_20						Action/Comments		
Trim trees to at least five feet above ground level.									

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.69	Rating **	M	Issue No.	199				
LM End	1.69	Issue Type +	Ma	Location *	LS				No Photos
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Vegetation			38.351957 °	38.351957 °				
				-121.574096 °	-121.574096 °				
DWR ID	DWR_RD0999_05_f_2014_199								
Action/Comments									
Elderberries are blocking visibility and flood fight capability.									

LM Start	1.70	Rating **	M	Issue No.	21				
LM End	1.77	Issue Type +	Ma	Location *	WS				No Photos
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Trim / Thin Trees			38.352088 °	38.352968 °				
				-121.574052 °	-121.574008 °				
DWR ID	DWR_RD0999_05_s_2012_21								
Action/Comments									
Trim trees to at least five feet above ground level.									

LM Start	1.83	Rating **	M	Issue No.	216				
LM End	1.83	Issue Type +	En	Location *	WS				
Category	Supplemental			GPS Latitude/Longitude					
				Start	End				
Item	DWR UCIP Field Study			38.353864 °	38.353864 °				
				-121.573577 °	-121.573577 °				
DWR ID									
Action/Comments									
Inspector Comments: FS_ID:15421 DS_ID:22847 EP_NO: N/A FS_HLM: 1.877 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 4.7 feet below crown. Pump house on the waterward slope. Both ends open. Originally included in the 1966 O&M manual. FS Date: 06/27/2013									



Pipe visible on LS slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/B : Design & System Obsolescence E : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	1.83	Rating **	M	Issue No.	216 (cont)									
LM End	1.83	Issue Type +	En	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.353864 °	38.353864 °									
				-121.573577 °	-121.573577 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15421 DS_ID:22847 EP_NO: N/A FS_HLM: 1.877 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 4.7 feet below crown. Pump house on the waterward slope. Both ends open. Originally included in the 1966 O&M manual. FS Date: 06/27/2013														



Pipe and pump remnants on WS slope.

LM Start	2.14	Rating **	M	Issue No.	24									
LM End	2.16	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.355402 °	38.355282 °									
				-121.568893 °	-121.568547 °									
DWR ID	DWR_RD0999_05_s_2012_24													
Action/Comments														
Trim and thin trees to allow visibility of the ground and room to flood fight.														



Looking west at dense trees on landward slope. (Spring 2015)

LM Start	2.28	Rating **	A/W	Issue No.	40									
LM End	2.30	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.354474 °	38.354555 °									
				-121.566701 °	-121.566191 °									
DWR ID	DWR_RD0999_05_s_2012_40													
Action/Comments														
Trim trees to at least five feet above ground level.														

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	2.36	Rating **	M	Issue No.	42	No Photos	
LM End	2.48	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
			Start	End			
Item	Trim / Thin Trees			38.354916 °	38.355982 °		
				-121.565167 °	-121.563561 °		
DWR ID	DWR_RD0999_05_s_2012_42					Action/Comments	
Thin trees to allow visibility of the ground and room to flood fight.							

LM Start	2.51	Rating **	M	Issue No.	82	Photo 1 of 1 : FA_2015_RD0999_236_82_20150914_00069.jpg	
LM End	2.65	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
			Start	End			
Item	Trim / Thin Trees			38.356270 °	38.358132 °		
				-121.563218 °	-121.562347 °		
DWR ID	DWR_RD0999_05_s_2012_82					Action/Comments	
Trim and thin trees to allow visibility of the ground and room to flood fight.							



Looking northwest at dense trees on landward slope. (Spring 2015)

LM Start	2.70	Rating **	A/W	Issue No.	73	No Photos	
LM End	2.70	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
			Start	End			
Item	Trim / Thin Trees			38.358888 °	38.358888 °		
				-121.562280 °	-121.562280 °		
DWR ID	DWR_RD0999_05_s_2012_73					Action/Comments	
Thin trees to allow visibility of the ground and room to flood fight.							

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	2.86	Rating **	M	Issue No.	152													
LM End	3.12	Issue Type +	En	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Encroachments			38.361047 °	38.364409 °													
				-121.563113 °	-121.561941 °													
DWR ID	DWR_RD0999_05_f_2013_152																	
Action/Comments																		
Ditch Inspector Comments: Irrigation ditch at landward toe.																		

Photo 1 of 1 : FA_2015_RD0999_236_152_20150914_00101.jpg



Looking north at abandoned irrigation ditch at landward toe.

LM Start	2.87	Rating **	M	Issue No.	29													
LM End	3.12	Issue Type +	Ma	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Trim / Thin Trees			38.361268 °	38.364373 °													
				-121.563263 °	-121.561947 °													
DWR ID	DWR_RD0999_05_s_2012_29																	
Action/Comments																		
Trim and thin trees to allow visibility of the ground and room to flood fight.																		

No Photos

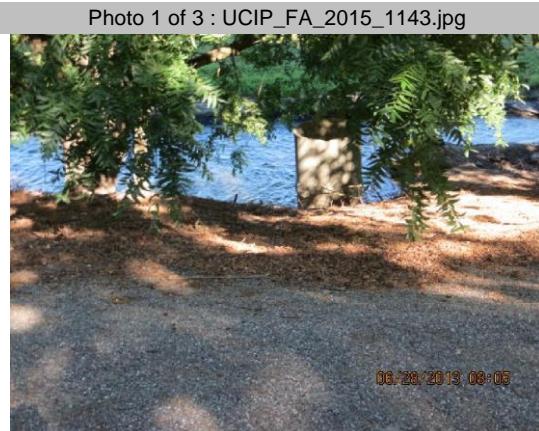
Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.02	Rating **	U	Issue No.	217												
LM End	3.02	Issue Type +	En	Location *	LS												
Category	Supplemental				GPS Latitude/Longitude												
					Start	End											
Item	DWR UCIP Field Study				38.363420 °	38.363420 °											
DWR ID					-121.563102 °	-121.563102 °											
Action/Comments																	
Inspector Comments: FS_ID:42936 DS_ID:22849 EP_NO: 7378 FS_HLM: 3.085 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe outlet is eroding the LS slope of the levee, exposing the roots of an oak and threatening greater damage if allowed to continue. FIELD_STRUCT_DESC: 10-inch steel pipe through levee 6-feet below crown. Slant pump and service pole on the waterward slope. 36-inch concrete standpipe on LS toe (Permit No. 7378, 1971). Replaced an existing 8-inch pipe at the same location. FS Date: 06/28/2013																	



LM Start	3.02	Rating **	U	Issue No.	217 (cont)				
LM End	3.02	Issue Type +	En	Location *	LS				



* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.02	Rating **	U	Issue No.	217 (cont)									
LM End	3.02	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.363420 °	38.363420 °									
				-121.563102 °	-121.563102 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:42936 DS_ID:22849 EP_NO: 7378 FS_HLM: 3.085 Repair Type: Urgent Crossing Status: Found														

Photo 3 of 3 : UCIP_FA_2015_1145.jpg



Slant pump, JP, and meter on WS slope.

LM Start	3.12	Rating **	M	Issue No.	31									
LM End	3.17	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Vegetation			38.364392 °	38.364597 °									
				-121.561882 °	-121.561087 °									
DWR ID	DWR_RD0999_05_s_2012_31													
Action/Comments														
Landscaping														

Photo 1 of 1 : FA_2015_RD0999_236_31_20150914_00030.jpg



Looking downstream of landscaping blocking view of landside slope.

LM Start	3.21	Rating **	M	Issue No.	153									
LM End	4.22	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.364694 °	38.372513 °									
				-121.560209 °	-121.552538 °									
DWR ID	DWR_RD0999_05_f_2013_153													
Action/Comments														
Ditch Inspector Comments: Adandoned irrigation ditch at landward toe.														

Photo 1 of 3 : FA_2015_RD0999_236_153_20150914_00102.jpg



Looking north at old irrigation ditch at landward toe.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.21	Rating **	M	Issue No.	153 (cont)									
LM End	4.22	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.364694 °	38.372513 °									
				-121.560209 °	-121.552538 °									
DWR ID	DWR_RD0999_05_f_2013_153													
Action/Comments														
Ditch Inspector Comments: Adandoned irrigation ditch at landward toe.														

Photo 2 of 3 : FA_2015_RD0999_236_153_20150914_00103.jpg



Looking south at irrigation ditch at landward toe.

LM Start	3.21	Rating **	M	Issue No.	153 (cont)	
LM End	4.22	Issue Type +	En	Location *	LS	

Photo 3 of 3 : FA_2015_RD0999_236_153_20150914_00104.jpg



Looking north at irrigation ditch at landward toe.

LM Start	3.22	Rating **	A/W	Issue No.	33									
LM End	3.29	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.364552 °	38.364225 °									
				-121.560137 °	-121.558852 °									
DWR ID	DWR_RD0999_05_s_2012_33													
Action/Comments														
Trim trees to at least five feet above ground level.														

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.26	Rating **	M	Issue No.	191		No Photos							
LM End	3.63	Issue Type +	Ma	Location *	CR									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Crown Surface / Depressions / Rutting			38.364522 °	38.366911 °									
				-121.559423 °	-121.556784 °									
DWR ID	DWR_RD0999_05_s_2014_191													
Action/Comments														
Add appropriate gravel or road base. Grade and compact.														

LM Start	3.44	Rating **	A/W	Issue No.	34		No Photos							
LM End	3.47	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.364113 °	38.364542 °									
				-121.556507 °	-121.556402 °									
DWR ID	DWR_RD0999_05_s_2012_34													
Action/Comments														
Trim trees to at least five feet above ground level.														

LM Start	3.55	Rating **	A/W	Issue No.	12		No Photos							
LM End	3.65	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Vegetation			38.365678 °	38.367087 °									
				-121.556693 °	-121.556725 °									
DWR ID	DWR_RD0999_05_s_2012_12													
Action/Comments														
Remove the wild growth other than native grasses from the levee slopes.														

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.55	Rating **	M	Issue No.	83				
LM End	3.65	Issue Type +	En	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Encroachments			38.365711 °	38.367107 °				
				-121.556714 °	-121.556745 °				
DWR ID	DWR_RD0999_05_s_2012_83								
Action/Comments									
Fence	Inspector Comments: Fencing on landward slope.								

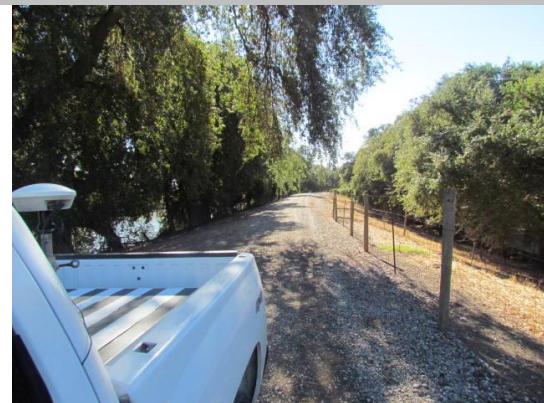
Photo 1 of 1 : FA_2015_RD0999_236_83_20150914_00070.jpg



Looking north at fence along waterside shoulder.

LM Start	3.56	Rating **	M	Issue No.	173										
LM End	3.56	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.365882 °	38.365882 °										
				-121.556762 °	-121.556762 °										
DWR ID	DWR_RD0999_05_f_2015_173														
Action/Comments															
Trim trees over roadway to at least 12 feet above ground level.															

Photo 1 of 1 : FA_2015_RD0999_236_173_20151106_00158.jpg



Looking at the tree overhanging the levee crown.

LM Start	3.58	Rating **	M	Issue No.	202										
LM End	3.64	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.366100 °	38.367043 °										
				-121.556831 °	-121.556772 °										
DWR ID	DWR_RD0999_05_f_2014_202														
Action/Comments															
Landscape Irrigation Inspector Comments: Landowner installed sprinkler system on landward slope.															

Photo 1 of 1 : FA_2015_RD0999_236_202_20150914_00124.jpg



Looking west at one of several sprinklers installed on landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.58	Rating **	M	Issue No.	201										
LM End	3.64	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Trim / Thin Trees		38.366103 °	38.367035 °											
			-121.556820 °	-121.556781 °											
DWR ID	DWR_RD0999_05_f_2014_201														
Action/Comments															
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Landowner has planted oak trees and installed sprinklers on landward slope. Oak trees should be removed.															

Photo 1 of 2 : FA_2015_RD0999_236_201_20150914_00122.jpg



Looking west at several small oak trees planted on landward slope.

Photo 2 of 2 : FA_2015_RD0999_236_201_20150914_00123.jpg



Looking northwest at several small oak trees planted along landward slope.

LM Start	3.58	Rating **	M	Issue No.	201 (cont)	
LM End	3.64	Issue Type +	Ma	Location *	LS	

LM Start	3.64	Rating **	M	Issue No.	16										
LM End	3.64	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.366958 °	38.366958 °											
			-121.556822 °	-121.556822 °											
DWR ID	DWR_RD0999_05_s_2012_16														
Action/Comments															
Equipment Inspector Comments: Equipment stored at landward toe.															

Photo 1 of 2 : FA_2015_RD0999_236_16_20150914_00015.jpg



Looking northwest at equipment on landside toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.64	Rating **	M	Issue No.	16 (cont)															
LM End	3.64	Issue Type +	Ma	Location *	LS															
Category	Earthen Levee			GPS Latitude/Longitude																
				Start	End															
Item	Encroachments			38.366958 °	38.366958 °															
				-121.556822 °	-121.556822 °															
DWR ID	DWR_RD0999_05_s_2012_16																			
Action/Comments																				
Equipment Inspector Comments: Equipment stored at landward toe.																				

Photo 2 of 2 : FA_2015_RD0999_236_16_20150914_00016.jpg



Looking west at equipment at landside toe.

LM Start	3.67	Rating **	M	Issue No.	218												
LM End	3.67	Issue Type +	En	Location *	LS												
Category	Supplemental			GPS Latitude/Longitude													
				Start	End												
Item	DWR UCIP Field Study			38.367469 °	38.367469 °												
				-121.556509 °	-121.556509 °												
DWR ID																	
Action/Comments																	
Inspector Comments: FS_ID:16337 DS_ID:23965 EP_NO: N/A FS_HLM: 3.743 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No. for this crossing. FIELD_STRUCT_DESC: 9-inch steel irrigation pipe through levee 2-feet below crown. Pump on pier on WS with butterfly valve. Filter plant and siphon breaker on LS toe 1.5-inch galvanized iron electrical at same location. FS Date: 06/28/2013																	

Photo 1 of 3 : UCIP_FA_2015_1370.jpg



Siphon breaker and filter plant on LS toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.67	Rating **	M	Issue No.	218 (cont)									
LM End	3.67	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.367469 °	38.367469 °									
				-121.556509 °	-121.556509 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16337 DS_ID:23965 EP_NO: N/A FS_HLM: 3.743 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No. for this crossing. FIELD_STRUCT_DESC: 9-inch steel irrigation pipe through levee 2-feet below crown. Pump on pier on WS with butterfly valve. Filter plant and siphon breaker on LS toe 1.5-inch galvanized iron electrical at same location. FS Date: 06/28/2013														



1.5-inch galvanized iron electrical conduit at same location.

LM Start	3.67	Rating **	M	Issue No.	218 (cont)	
LM End	3.67	Issue Type +	En	Location *	LS	



Pump on pier at WS.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.68	Rating **	M	Issue No.	85										
LM End	3.75	Issue Type +	En	Location *	LS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.367500 °	38.367997 °											
			-121.556478 °	-121.555348 °											
DWR ID	DWR_RD0999_05_s_2012_85														
Action/Comments															
Fence Inspector Comments: Fencing is for livestock.															

Photo 1 of 2 : FA_2015_RD0999_236_85_20150914_00071.jpg



Looking north at fence along landside shoulder.

LM Start	3.68	Rating **	M	Issue No.	85 (cont)	
LM End	3.75	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_236_85_20150914_00072.jpg



Looking west at animal shelter within animal pen on landward slope.

LM Start	3.70	Rating **	M	Issue No.	84										
LM End	3.74	Issue Type +	En	Location *	WS										
Category	Earthen Levee		GPS Latitude/Longitude												
			Start	End											
Item	Encroachments		38.367644 °	38.367971 °											
			-121.556012 °	-121.555431 °											
DWR ID	DWR_RD0999_05_s_2012_84														
Action/Comments															
Fence Inspector Comments: Fencing is for livestock.															

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.80	Rating **	M	Issue No.	174							
LM End	3.80	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.368207 °	38.368207 °	-121.554360 °	-121.554360 °						
DWR ID	DWR_RD0999_05_f_2015_174											
Action/Comments												
Tree or limb Inspector Comments: Downed tree branch and limbs on waterward slope.												

Photo 1 of 1 : FA_2015_RD0999_236_174_20151106_00159.jpg



Looking at downed tree branch on waterward slope.

LM Start	3.88	Rating **	U	Issue No.	17							
LM End	3.88	Issue Type +	En	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.368307 °	38.368307 °	-121.552955 °	-121.552955 °						
DWR ID	DWR_RD0999_05_s_2012_17											
Action/Comments												
Prunings Inspector Comments: Large pruning pile on landward toe and slope.												

Photo 1 of 3 : FA_2015_RD0999_236_17_20151106_00160.jpg



Looking northwest at large pruning pile on landward slope and berm. Fall 2015.

LM Start	3.88	Rating **	U	Issue No.	17 (cont)	
LM End	3.88	Issue Type +	En	Location *	LS	

Photo 2 of 3 : FA_2015_RD0999_236_17_20150914_00017.jpg

Looking northwest at large pruning pile on landward slope and berm.
(Spring 2015)

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/W : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.88	Rating **	U	Issue No.	17 (cont)									
LM End	3.88	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.368307 °	38.368307 °									
				-121.552955 °	-121.552955 °									
DWR ID	DWR_RD0999_05_s_2012_17													
Action/Comments														
Prunings Inspector Comments: Large pruning pile on landward toe and slope.														

Photo 3 of 3 : FA_2015_RD0999_236_17_20150914_00018.jpg



Looking southwest at large pruning pile on landward slope and berm.
(Spring 2015)

LM Start	3.94	Rating **	M	Issue No.	175									
LM End	3.94	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.368928 °	38.368928 °									
				-121.552473 °	-121.552473 °									
DWR ID	DWR_RD0999_05_f_2015_175													
Action/Comments														
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Thin or remove young tree from landward shoulder and slope.														

Photo 1 of 1 : FA_2015_RD0999_236_175_20151106_00161.jpg



Looking at young trees on waterward shoulder and slope.

LM Start	3.98	Rating **	M	Issue No.	41									
LM End	4.05	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.369440 °	38.370398 °									
				-121.552747 °	-121.553373 °									
DWR ID	DWR_RD0999_05_s_2012_41													
Action/Comments														
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Control oak saplings on waterward slope.														

Photo 1 of 2 : FA_2015_RD0999_236_41_20150914_00042.jpg



Looking southeast at saplings on waterward slope. (Spring 2015)

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	3.98	Rating **	M	Issue No.	41 (cont)												
LM End	4.05	Issue Type +	Ma	Location *	WS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.369440 °	38.370398 °												
				-121.552747 °	-121.553373 °												
DWR ID	DWR_RD0999_05_s_2012_41																
Action/Comments																	
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Control oak saplings on waterward slope.																	

Photo 2 of 2 : FA_2015_RD0999_236_41_20150914_00043.jpg



Looking northeast at trimmed trees on waterside slope.

LM Start	4.23	Rating **	A/W	Issue No.	35												
LM End	4.23	Issue Type +	En	Location *	WS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Encroachments			38.372672 °	38.372672 °												
				-121.552380 °	-121.552380 °												
DWR ID	DWR_RD0999_05_s_2012_35																
Action/Comments																	
Prunings																	

Photo 1 of 2 : FA_2015_RD0999_236_35_20150914_00032.jpg



Looking northeast at corrected pruning site on waterward shoulder and slope.

LM Start	4.23	Rating **	A/W	Issue No.	35 (cont)	
LM End	4.23	Issue Type +	En	Location *	WS	

Photo 2 of 2 : FA_2015_RD0999_236_35_20150914_00033.jpg



Looking northeast at larger pruning pile on waterside shoulder.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.29	Rating **	M	Issue No.	55										
LM End	4.29	Issue Type +	En	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.373517 °	38.373517 °										
				-121.551867 °	-121.551867 °										
DWR ID	DWR_RD0999_05_s_2012_55														
Action/Comments															
Landscaping Inspector Comments: Century plant on waterside slope.															

Photo 1 of 1 : FA_2015_RD0999_236_55_20150914_00055.jpg



Looking at century plants on waterside shoulder.(Spring 2012)

LM Start	4.30	Rating **	A/W	Issue No.	44										
LM End	4.33	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.373625 °	38.373907 °										
				-121.551787 °	-121.551607 °										
DWR ID	DWR_RD0999_05_s_2012_44														
Action/Comments															
Landscaping Inspector Comments: Landowner complies with Board standards.															

Photo 1 of 4 : FA_2015_RD0999_236_44_20150914_00046.jpg



Looking south at corrected landscaping on landward slope.

LM Start	4.30	Rating **	A/W	Issue No.	44 (cont)	
LM End	4.33	Issue Type +	En	Location *	LS	

Photo 2 of 4 : FA_2015_RD0999_236_44_20150914_00047.jpg



Looking north at corrected landscaping on landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.30	Rating **	A/W	Issue No.	44 (cont)										
LM End	4.33	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.373625 °	38.373907 °										
				-121.551787 °	-121.551607 °										
DWR ID	DWR_RD0999_05_s_2012_44														
Action/Comments															
Landscaping Inspector Comments: Landowner complies with Board standards.															

Photo 3 of 4 : FA_2015_RD0999_236_44_20150914_00048.jpg



Looking north at landscaping on landward slope.

LM Start	4.30	Rating **	A/W	Issue No.	44 (cont)	
LM End	4.33	Issue Type +	En	Location *	LS	

Photo 4 of 4 : FA_2015_RD0999_236_44_20150914_00049.jpg



Overgrown landscaping on landside slope blocking view of slope.

LM Start	4.35	Rating **	M	Issue No.	45							
LM End	4.37	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Trim / Thin Trees			38.374160 °	38.374410 °							
				-121.551408 °	-121.551157 °							
DWR ID	DWR_RD0999_05_s_2012_45											
Action/Comments												
Trim and thin trees to allow visibility of the ground and room to flood fight.												

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.35	Rating **	A/W	Issue No.	28										
LM End	4.35	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.374215 °	38.374215 °										
				-121.551352 °	-121.551352 °										
DWR ID	DWR_RD0999_05_f_2012_28														
Action/Comments															
Remove the wild growth other than native grasses from the levee slopes.															

Photo 1 of 1 : FA_2015_RD0999_236_28_20150914_00029.jpg



Looking northeast at fig tree on waterside slope.

LM Start	4.36	Rating **	M	Issue No.	219										
LM End	4.36	Issue Type +	En	Location *	WS										
Category	Supplemental			GPS Latitude/Longitude											
				Start	End										
Item	DWR UCIP Field Study			38.374376 °	38.374376 °										
				-121.551201 °	-121.551201 °										
DWR ID															
Action/Comments															
Inspector Comments: FS_ID:16338 DS_ID:23966 EP_NO: N/A FS_HLM: 4.44 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This crossing should be permitted or removed. FIELD_STRUCT_DESC: 2-inch plastic water line through the levee 6-inch below the crown. Portable pump on the WS toe. FS Date: 06/28/2013															

Photo 1 of 2 : UCIP_FA_2015_1373.jpg



Flex pipe visible on LS shoulder.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.36	Rating **	M	Issue No.	219 (cont)									
LM End	4.36	Issue Type +	En	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.374376 °	38.374376 °									
				-121.551201 °	-121.551201 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16338 DS_ID:23966 EP_NO: N/A FS_HLM: 4.44 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This crossing should be permitted or removed. FIELD_STRUCT_DESC: 2-inch plastic water line through the levee 6-inch below the crown. Portable pump on the WS toe. FS Date: 06/28/2013														



Flex pipe through the levee 6-inches below the crown with portable pump on WS toe.

LM Start	4.37	Rating **	M	Issue No.	37									
LM End	4.44	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Vegetation			38.374393 °	38.375008 °									
				-121.551187 °	-121.550085 °									
DWR ID	DWR_RD0999_05_s_2012_37													
Action/Comments														
Remove the wild growth other than native grasses from the levee slopes.														

No Photos

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.37	Rating **	M	Issue No.	56										
LM End	4.37	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.374410 °	38.374410 °										
				-121.551173 °	-121.551173 °										
DWR ID	DWR_RD0999_05_s_2012_56														
Action/Comments															
Landscaping Inspector Comments: Cactus															

Photo 1 of 1 : FA_2015_RD0999_236_56_20150914_00056.jpg



Looking northwest at cactus on landside shoulder and slope. (Spring 2012)

LM Start	4.42	Rating **	M	Issue No.	57										
LM End	4.46	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.374866 °	38.375061 °										
				-121.550491 °	-121.549800 °										
DWR ID	DWR_RD0999_05_s_2012_57														
Action/Comments															
Trim and thin trees to allow visibility of the ground and room to flood fight.															

Photo 1 of 1 : FA_2015_RD0999_236_57_20150914_00057.jpg



Looking northwest at dense trees on landward slope. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable	N : Not Inspected/Rated
M : Minimally Acceptable	C : Corrected
U : Unacceptable	A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.45	Rating **	M	Issue No.	220																	
LM End	4.45	Issue Type +	En	Location *	LS																	
Category				GPS Latitude/Longitude																		
				Start	End																	
Item				38.375036 °	38.375036 °																	
				-121.549961 °	-121.549961 °																	
DWR ID																						
Action/Comments																						
Inspector Comments: FS_ID:16403 DS_ID:23967 EP_NO: N/A FS_HLM: 4.52 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine Permit No. for this crossing or remove it. FIELD_STRUCT_DESC: 5-inch temporary alluminum pipe over the top of the levee. Portable pump on the WS toe. FS Date: 06/28/2013																						



LM Start	4.45	Rating **	M	Issue No.	220 (cont)				
LM End	4.45	Issue Type +	En	Location *	LS				



Pipe on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.45	Rating **	M	Issue No.	220 (cont)									
LM End	4.45	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.375036 °	38.375036 °									
				-121.549961 °	-121.549961 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16403 DS_ID:23967 EP_NO: N/A FS_HLM: 4.52 Repair Type: Non-Urgent Crossing Status: Found														



Portable pump on WS toe.

LM Start	4.45	Rating **	M	Issue No.	130							
LM End	4.45	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Trim / Thin Trees			°	°	°						
				°	°	°						
DWR ID	DWR_RD0999_05_f_2013_130											
Action/Comments												
Trim trees to at least five feet above ground level.												

No Photos

LM Start	4.45	Rating **	M	Issue No.	131									
LM End	4.45	Issue Type +	En	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.375027 °	38.375027 °									
				-121.549883 °	-121.549883 °									
DWR ID	DWR_RD0999_05_s_2012_131													
Action/Comments														
Equipment Inspector Comments: Propane tank on waterside slope within the twenty foot zone.														

Photo 1 of 1 : FA_2015_RD0999_236_131_20150914_00092.jpg



Looking northeast at propane tank on waterside slope.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.47	Rating **	M	Issue No.	47																	
LM End	4.53	Issue Type +	Ma	Location *	LS																	
Category	Earthen Levee				GPS Latitude/Longitude																	
					Start	End																
Item	Trim / Thin Trees				38.375072 °	38.375057 °																
DWR ID	DWR_RD0999_05_s_2012_47																					
Action/Comments																						
Trim and thin trees to allow visibility of the ground and room to flood fight.																						

No Photos

LM Start	4.50	Rating **	A/W	Issue No.	58																	
LM End	4.60	Issue Type +	Ma	Location *	WS																	
Category	Earthen Levee				GPS Latitude/Longitude																	
					Start	End																
Item	Trim / Thin Trees				38.375099 °	38.375211 °																
DWR ID	DWR_RD0999_05_s_2012_58																					
Action/Comments																						
Trim and thin trees to allow visibility of the ground and room to flood fight.																						

No Photos

LM Start	4.51	Rating **	A/W	Issue No.	38																	
LM End	4.64	Issue Type +	Ma	Location *	LS																	
Category	Earthen Levee				GPS Latitude/Longitude																	
					Start	End																
Item	Trim / Thin Trees				38.375055 °	38.375313 °																
DWR ID	DWR_RD0999_05_s_2012_38																					
Action/Comments																						
Thin trees to allow visibility of the ground and room to flood fight.																						

Photo 1 of 3 : FA_2015_RD0999_236_38_20150914_00034.jpg



Looking northwest at dense trees on landside slope. (Spring 2011)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.51	Rating **	A/W	Issue No.	38 (cont)												
LM End	4.64	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.375055 °	38.375313 °												
				-121.548792 °	-121.546438 °												
DWR ID	DWR_RD0999_05_s_2012_38																
Action/Comments																	
Thin trees to allow visibility of the ground and room to flood fight.																	

Photo 2 of 3 : FA_2015_RD0999_236_38_20150914_00035.jpg



Looking west at trimmed trees on landside slope. (Spring 2012)

LM Start	4.51	Rating **	A/W	Issue No.	38 (cont)	
LM End	4.64	Issue Type +	Ma	Location *	LS	

Photo 3 of 3 : FA_2015_RD0999_236_38_20150914_00036.jpg



Looking west at dense trees on landside slope. (Spring 2011)

LM Start	4.51	Rating **	M	Issue No.	32									
LM End	4.85	Issue Type +	Ma	Location *	CR									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Crown Surface / Depressions / Rutting			38.375084 °	38.377176 °									
				-121.548750 °	-121.543571 °									
DWR ID	DWR_RD0999_05_f_2012_32													
Action/Comments														
Add appropriate material and re-grade the levee to bring the crown above the design elevation.														

Photo 1 of 1 : FA_2015_RD0999_236_32_20150914_00031.jpg



Looking north at vegetation on levee crown.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.51	Rating **	A/W	Issue No.	49					
LM End	4.58	Issue Type +	Ma	Location *	LS	No Photos				
Category	Earthen Levee			GPS Latitude/Longitude						
				Start	End					
Item	Animal Control			38.375050 °	38.375077 °					
				-121.548717 °	-121.547512 °					
DWR ID	DWR_RD0999_05_s_2012_49									
Action/Comments										
Exterminate rodents and backfill and compact or grout burrows.										

LM Start	4.65	Rating **	N	Issue No.	62					
LM End	4.65	Issue Type +	Ma	Location *	WS	No Photos				
Category	Earthen Levee			GPS Latitude/Longitude						
				Start	End					
Item	Trim / Thin Trees			38.375360 °	38.375360 °					
				-121.546291 °	-121.546291 °					
DWR ID	DWR_RD0999_05_s_2012_62									
Action/Comments										
Tree stumps.										

LM Start	4.65	Rating **	A/W	Issue No.	50					
LM End	4.65	Issue Type +	Ma	Location *	LS					
Category	Earthen Levee			GPS Latitude/Longitude						
				Start	End					
Item	Encroachments			38.375373 °	38.375373 °					
				-121.546200 °	-121.546200 °					
DWR ID	DWR_RD0999_05_s_2012_50									
Action/Comments										
Tree or limb Inspector Comments: Old tree limbs on landward shoulder blocking access.										

Photo 1 of 1 : FA_2015_RD0999_236_50_20150914_00052.jpg



Looking southwest at tree limbs on landward shoulder.

Flood Control Project Maintenance
Levee Inspections
Levee Inspection Report By Mile - Fall 2015
Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.67	Rating **	M	Issue No.	52										
LM End	4.67	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.375478 °	38.375478 °										
				-121.545852 °	-121.545852 °										
DWR ID	DWR_RD0999_05_s_2012_52														
Action/Comments															
Trim trees to at least five feet above ground level.															

Photo 1 of 1 : FA_2015_RD0999_236_52_20150914_00054.jpg



Looking west at untrimmed trees on landward toe. (Spring 2015)

LM Start	4.68	Rating **	M	Issue No.	46										
LM End	4.68	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.375548 °	38.375548 °										
				-121.545693 °	-121.545693 °										
DWR ID	DWR_RD0999_05_f_2012_46														
Action/Comments															
Pipe Inspector Comments: Pipe is disconnected from pump and should be reconnected or removed.															

Photo 1 of 1 : FA_2015_RD0999_236_46_20150914_00050.jpg



Looking east at pipe disconnected from pump.

LM Start	4.69	Rating **	A/W	Issue No.	63										
LM End	4.71	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.375566 °	38.375775 °										
				-121.545676 °	-121.545255 °										
DWR ID	DWR_RD0999_05_s_2012_63														
Action/Comments															
Trim and thin trees to allow visibility of the ground and room to flood fight.															

No Photos

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.69	Rating **	M	Issue No.	221																			
LM End	4.69	Issue Type +	En	Location *	WS																			
Category				GPS Latitude/Longitude																				
				Start	End																			
Item				38.375537 °	38.375537 °																			
				-121.545647 °	-121.545647 °																			
DWR ID																								
Action/Comments																								
Inspector Comments: FS_ID:15443 DS_ID:22882 EP_NO: 7383 FS_HLM: 4.766 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4.0 feet below the crown. Pumphouse on WS slope and a JP on the LS shoulder. 1.5-inch galvanized iron electrical conduit at same location. Replaces existing portion of a 10-inch pipe within the levee section (Permit No. 7383, 1971). FS Date: 06/28/2013																								



Pipe visible on LS slope.

LM Start	4.69	Rating **	M	Issue No.	221 (cont)				
LM End	4.69	Issue Type +	En	Location *	WS				



Abandoned pumphouse on WS slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections
Levee Inspection Report By Mile - Fall 2015
Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.69	Rating **	M	Issue No.	221 (cont)									
LM End	4.69	Issue Type +	En	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.375537 °	38.375537 °									
				-121.545647 °	-121.545647 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15443 DS_ID:22882 EP_NO: 7383 FS_HLM: 4.766 Repair Type: Non-Urgent Crossing Status: Found														



Abandoned pumphouse on WS slope.

LM Start	4.71	Rating **	A/W	Issue No.	61									
LM End	4.75	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Vegetation			38.375769 °	38.376074 °									
				-121.545258 °	-121.544799 °									
DWR ID	DWR_RD0999_05_f_2012_61													
Action/Comments														
Remove the wild growth other than native grasses from the levee slopes.														
Inspector Comments: Dense vegetation at landside toe.														

No Photos

LM Start	4.76	Rating **	A/W	Issue No.	154									
LM End	4.76	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Slope Stability			38.376257 °	38.376257 °									
				-121.544578 °	-121.544578 °									
DWR ID	DWR_RD0999_05_f_2013_154													
Action/Comments														
Repair the levee slope damaged by vehicle traffic and prevent access where possible.														
Inspector Comments: Levee damaged by vehicle traffic.														

Photo 1 of 1 : FA_2015_RD0999_236_154_20150914_00105.jpg



Looking west at levee damage due to vehicle traffic.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	4.78	Rating **	A/W	Issue No.	64		No Photos	
LM End	4.78	Issue Type +	Ma	Location *	LS			
Category	Earthen Levee			GPS Latitude/Longitude				
				Start	End			
Item	Trim / Thin Trees			38.376432 °	38.376432 °			
				-121.544382 °	-121.544382 °			
DWR ID	DWR_RD0999_05_s_2012_64		Action/Comments					
			Trim trees to at least five feet above ground level.					

LM Start	4.81	Rating **	A/W	Issue No.	54		No Photos	
LM End	4.81	Issue Type +	Ma	Location *	LS			
Category	Earthen Levee			GPS Latitude/Longitude				
				Start	End			
Item	Trim / Thin Trees			38.376717 °	38.376717 °			
				-121.544017 °	-121.544017 °			
DWR ID	DWR_RD0999_05_s_2012_54		Action/Comments					
			Trim trees over roadway to at least 12 feet above ground level.					

LM Start	5.07	Rating **	M	Issue No.	65		Photo 1 of 2 : FA_2015_RD0999_236_65_20151106_00162.jpg	
LM End	5.07	Issue Type +	Ma	Location *	LS			
Category	Earthen Levee			GPS Latitude/Longitude				
				Start	End			
Item	Encroachments			38.379711 °	38.379711 °			
				-121.541070 °	-121.541070 °			
DWR ID	DWR_RD0999_05_s_2012_65		Action/Comments					
			Prunings Inspector Comments: Prunings on landside slope.					



Looking northwest at prunings on landward slope fall 2015

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	5.07	Rating **	M	Issue No.	65 (cont)									
LM End	5.07	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.379711 °	38.379711 °									
				-121.541070 °	-121.541070 °									
DWR ID	DWR_RD0999_05_s_2012_65													
Action/Comments														
Prunings Inspector Comments: Prunings on landside slope.														

Photo 2 of 2 : FA_2015_RD0999_236_65_20150914_00059.jpg



Looking north at prunings on landward slope. (Spring 2015)

LM Start	5.12	Rating **	U	Issue No.	176									
LM End	5.12	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Slope Stability			38.380420 °	38.380420 °									
				-121.541102 °	-121.541102 °									
DWR ID	DWR_RD0999_05_f_2015_176													
Action/Comments														
Repair slope instability. Inspector Comments: Large hole on waterward shoulder caused by fallen tree.														

Photo 1 of 2 : FA_2015_RD0999_236_176_20151106_00163.jpg



Looking at hole on waterward shoulder caused by fallen tree.

LM Start	5.12	Rating **	U	Issue No.	176 (cont)	
LM End	5.12	Issue Type +	Ma	Location *	WS	

Photo 2 of 2 : FA_2015_RD0999_236_176_20151106_00164.jpg



Looking at fallen tree and hole on waterward slope and shoulder.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	5.13	Rating **	U	Issue No.	222																	
LM End	5.13	Issue Type +	En	Location *	WS																	
Category	Supplemental				GPS Latitude/Longitude																	
					Start	End																
Item	DWR UCIP Field Study				38.380523°	38.380523°																
					-121.541186°	-121.541186°																
DWR ID																						
Action/Comments																						
Inspector Comments: FS_ID:41786 DS_ID:22856 EP_NO: N/A FS_HLM: 5.216 Repair Type: Urgent Crossing Status: Found																						



Pipe visible on WS slope.

LM Start	5.13	Rating **	U	Issue No.	222 (cont)				
LM End	5.13	Issue Type +	En	Location *	WS				



Pipe open on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	5.38	Rating **	M	Issue No.	51							
LM End	5.42	Issue Type +	En	Location *	WS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Encroachments			38.381490 °	38.381795 °							
				-121.545477 °	-121.545996 °							
DWR ID	DWR_RD0999_05_s_2012_51											
Action/Comments												
Fence												
Inspector Comments:	Fence is installed down waterside slope.											



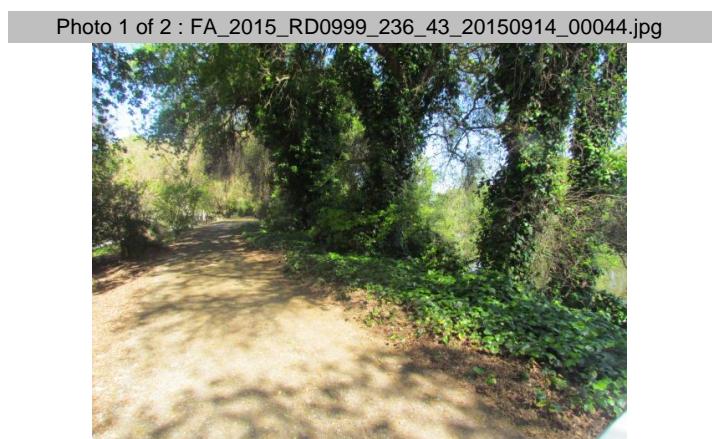
Looking northeast at fence on waterside slope.

LM Start	5.41	Rating **	M	Issue No.	138							
LM End	5.41	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Encroachments			38.381740 °	38.381740 °							
				-121.545864 °	-121.545864 °							
DWR ID	DWR_RD0999_05_s_2014_138											
Action/Comments												
Material												
Inspector Comments:	Concrete rubble dumped on waterward slope.											



Looking northeast at concrete rubble on waterward slope.

LM Start	5.42	Rating **	U	Issue No.	43							
LM End	5.44	Issue Type +	En	Location *	WS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Vegetation			38.381815 °	38.382137 °							
				-121.546058 °	-121.546338 °							
DWR ID	DWR_RD0999_05_s_2012_43											
Action/Comments												
Landscaping												
Inspector Comments:	Ground cover blocking view of waterward slope.											



Looking north at dense groundcover and vegetation on waterward slope.
(Spring 2015)

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	5.42	Rating **	U	Issue No.	43 (cont)												
LM End	5.44	Issue Type +	En	Location *	WS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Vegetation			38.381815 °	38.382137 °												
				-121.546058 °	-121.546338 °												
DWR ID	DWR_RD0999_05_s_2012_43																
Action/Comments																	
Landscaping Inspector Comments: Ground cover blocking view of waterward slope.																	

Photo 2 of 2 : FA_2015_RD0999_236_43_20150914_00045.jpg



Looking northeast at dense groundcover and vegetation on waterside slope.

LM Start	5.45	Rating **	M	Issue No.	223									
LM End	5.45	Issue Type +	En	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.382153 °	38.382153 °									
				-121.546387 °	-121.546387 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:16341 DS_ID:23969 EP_NO: N/A FS_HLM: 5.538 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit no. or remove. No pictures taken. FIELD_STRUCT_DESC: 1-inch PVC irrigation line through the levee at unknown depth. Shutoff valves at hose bib on WS shoulder and in groundcover vegetation on LS slope. FS Date: 06/28/2013														

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown
** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	5.47	Rating **	U	Issue No.	67										
LM End	5.52	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.382454 °	38.383141 °										
				-121.546579 °	-121.546870 °										
DWR ID	DWR_RD0999_05_s_2012_67														
Action/Comments															
Trim trees to at least five feet above ground level.															

Photo 1 of 1 : FA_2015_RD0999_236_67_20150914_00062.jpg



Looking north at dense vegetation on landward shoulder and slope.

LM Start	5.48	Rating **	M	Issue No.	68										
LM End	5.48	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.382553 °	38.382553 °										
				-121.546651 °	-121.546651 °										
DWR ID	DWR_RD0999_05_s_2012_68														
Action/Comments															
Trim trees to at least five feet above ground level.															

Photo 1 of 1 : FA_2015_RD0999_236_68_20150914_00063.jpg



Looking northeast at untrimmed trees on landward slope. (Spring 2015)

LM Start	5.49	Rating **	M	Issue No.	70										
LM End	5.49	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.382698 °	38.382698 °										
				-121.546711 °	-121.546711 °										
DWR ID	DWR_RD0999_05_s_2012_70														
Action/Comments															
Trim and thin trees to allow visibility of the ground and room to flood fight.															

Photo 1 of 1 : FA_2015_RD0999_236_70_20150914_00064.jpg



Looking southwest at untrimmed tree on waterside shoulder and slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	5.50	Rating **	U	Issue No.	71										
LM End	5.55	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.382790 °	38.383548 °										
				-121.546754 °	-121.546728 °										
DWR ID	DWR_RD0999_05_s_2012_71														
Action/Comments															
Remove the wild growth other than native grasses from the levee slopes.															

Photo 1 of 1 : FA_2015_RD0999_236_71_20150914_00065.jpg



Looking northeast at dense vegetation on waterside slope.

LM Start	5.50	Rating **	M	Issue No.	224										
LM End	5.50	Issue Type +	En	Location *	WS										
Category	Supplemental			GPS Latitude/Longitude											
				Start	End										
Item	DWR UCIP Field Study			38.382821 °	38.382821 °										
				-121.546661 °	-121.546661 °										
DWR ID															
Action/Comments															
Inspector Comments: FS_ID:15446 DS_ID:22857 EP_NO: N/A FS_HLM: 5.586 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so appropriately. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4-feet below the crown. Pumphouse and gate valve on the waterward slope. Vent on LS slope and a 42-inch concrete standpipe on LS toe. service pole on the landward slope with a 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 06/28/2013															

Photo 1 of 3 : UCIP_FA_2015_1296.jpg



06/28/2013 10:25

Vent on pipe at WS shoulder.

* Location	** Rating
LS : Land Side	A : Acceptable
N/A : Not Applicable	M : Minimally Acceptable
WS : Water Side	C : Corrected
CR : Crown	U : Unacceptable
	A/W : Acceptable but Monitor & Maintain

* Location	** Rating
LS : Land Side	A : Acceptable
N/A : Not Applicable	M : Minimally Acceptable
WS : Water Side	C : Corrected
CR : Crown	U : Unacceptable
	A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	5.50	Rating **	M	Issue No.	224 (cont)									
LM End	5.50	Issue Type +	En	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study		38.382821 °	38.382821 °										
			-121.546661 °	-121.546661 °										
DWR ID														
Action/Comments														
<p>Inspector Comments: FS_ID:15446 DS_ID:22857 EP_NO: N/A FS_HLM: 5.586 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so appropriately. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4-feet below the crown. Pumphouse and gate valve on the waterward slope. Vent on LS slope and a 42-inch concrete standpipe on LS toe. service pole on the landward slope with a 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 06/28/2013</p>														



LM Start	5.50	Rating **	M	Issue No.	224 (cont)	
LM End	5.50	Issue Type +	En	Location *	WS	

Corrugated metal pumphouse on WS slope.



Pipe visible on LS slope with JP, Meter and electrical conduit, and concrete standpipe,

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	5.56	Rating **	U	Issue No.	203												
LM End	5.61	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.383740 °	38.384218 °												
				-121.546628 °	-121.546095 °												
DWR ID	DWR_RD0999_05_f_2014_203																
Action/Comments																	
Trim trees to at least five feet above ground level.																	

Photo 1 of 1 : FA_2015_RD0999_236_203_20151106_00165.jpg



Looking at untrimmed trees on landward slope and toe.

LM Start	5.58	Rating **	M	Issue No.	182												
LM End	5.58	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Trim / Thin Trees			38.383911 °	38.383911 °												
				-121.546516 °	-121.546516 °												
DWR ID	DWR_RD0999_05_s_2015_182																
Action/Comments																	
Trim trees over roadway to at least 12 feet above ground level.																	

No Photos

LM Start	5.58	Rating **	A/W	Issue No.	192												
LM End	5.58	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Encroachments			38.383978 °	38.383978 °												
				-121.546435 °	-121.546435 °												
DWR ID	DWR_RD0999_05_s_2014_192																
Action/Comments																	
Prunings Inspector Comments: Landowner pile prunings on landside slope.																	

Photo 1 of 1 : FA_2015_RD0999_236_192_20150914_00117.jpg



Looking west at prunings on landward slope and toe.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	5.61	Rating **	M	Issue No.	177		No Photos															
LM End	5.61	Issue Type +	En	Location *	LS																	
Category	Earthen Levee			GPS Latitude/Longitude																		
				Start	End																	
Item	Encroachments			38.384267 °	38.384267 °																	
				-121.546000 °	-121.546000 °																	
DWR ID	DWR_RD0999_05_f_2015_177																					
Action/Comments																						
Tree or limb																						
Inspector Comments: Tree limbs on landward slope.																						

LM Start	5.80	Rating **	U	Issue No.	48		Photo 1 of 2 : FA_2015_RD0999_236_48_20151106_00166.jpg															
LM End	5.84	Issue Type +	Ma	Location *	LS																	
Category	Earthen Levee			GPS Latitude/Longitude																		
				Start	End																	
Item	Vegetation			38.384718 °	38.384930 °																	
				-121.542590 °	-121.541883 °																	
DWR ID	DWR_RD0999_05_s_2012_48																					
Action/Comments																						
Remove the wild growth other than native grasses from the levee slopes.																						



Looking west at dense vegetation on landward slope and toe. Fall 2015

LM Start	5.80	Rating **	U	Issue No.	48 (cont)	
LM End	5.84	Issue Type +	Ma	Location *	LS	



Looking east at dense vegetation on landward slope. (Spring 2015)

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	5.84	Rating **	A/W	Issue No.	59																	
LM End	5.84	Issue Type +	Ma	Location *	WS																	
Category	Earthen Levee				GPS Latitude/Longitude																	
					Start	End																
Item	Animal Control				38.384867 °	38.384867 °																
					-121.541845 °	-121.541845 °																
DWR ID	DWR_RD0999_05_s_2012_59																					
Action/Comments																						
Exterminate rodents and backfill and compact or grout burrows.																						

LM Start	5.93	Rating **	U	Issue No.	39																	
LM End	5.93	Issue Type +	Ma	Location *	LS																	
Category	Earthen Levee				GPS Latitude/Longitude																	
					Start	End																
Item	Encroachments				38.385729 °	38.385729 °																
					-121.540863 °	-121.540863 °																
DWR ID	DWR_RD0999_05_s_2013_39																					
Action/Comments																						
Tree or limb Inspector Comments: Large downed trees and vegetation blocking landward toe.																						

Photo 1 of 2 : FA_2015_RD0999_236_39_20151106_00167.jpg



Looking west at fallen tree and dense vegetation blocking landward toe.
Fall 2015.

LM Start	5.93	Rating **	U	Issue No.	39 (cont)				
LM End	5.93	Issue Type +	Ma	Location *	LS				

Photo 2 of 2 : FA_2015_RD0999_236_39_20150914_00037.jpg



Looking west at fallen tree on landward slope and toe. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.13	Rating **	M	Issue No.	225													
LM End	6.13	Issue Type +	En	Location *	LS													
Category	Supplemental			GPS Latitude/Longitude														
				Start	End													
Item	DWR UCIP Field Study			38.388151 °	38.388151 °													
				-121.542624 °	-121.542624 °													
DWR ID																		
Action/Comments																		
Inspector Comments: FS_ID:40791 DS_ID:22890 EP_NO: N/A FS_HLM: 6.226 Repair Type: Non-Urgent Crossing Status: Found																		

LM Start	6.13	Rating **	M	Issue No.	225 (cont)				
LM End	6.13	Issue Type +	En	Location *	LS				

Photo 1 of 3 : UCIP_FA_2015_1377.jpg



Pipe visible on LS slope with filter plant in background.

Photo 2 of 3 : UCIP_FA_2015_1378.jpg



07/10/2015 09:21

Settlement along pipe alignment on crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.13	Rating **	M	Issue No.	225 (cont)													
LM End	6.13	Issue Type +	En	Location *	LS													
Category	Supplemental			GPS Latitude/Longitude														
				Start	End													
Item	DWR UCIP Field Study			38.388151 °	38.388151 °													
				-121.542624 °	-121.542624 °													
DWR ID																		
Action/Comments																		
Inspector Comments: FS_ID:40791 DS_ID:22890 EP_NO: N/A FS_HLM: 6.226 Repair Type: Non-Urgent Crossing Status: Found																		



Pump on WS slope.

LM Start	6.13	Rating **	M	Issue No.	86													
LM End	6.13	Issue Type +	En	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Encroachments			38.388159 °	38.388159 °													
				-121.542646 °	-121.542646 °													
DWR ID	DWR_RD0999_05_f_2012_86																	
Action/Comments																		
Stairway Inspector Comments: Landowner dug stairs into landside slope.																		



Looking east at excavated stairs on landside slope

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
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Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.13	Rating **	U	Issue No.	226															
LM End	6.13	Issue Type +	En	Location *	LS															
Category				GPS Latitude/Longitude																
				Start		End														
Item				38.388175 °	38.388175 °	-121.542623 °	-121.542623 °													
DWR ID																				
Action/Comments																				
Inspector Comments: FS_ID:15600 DS_ID:22859 EP_NO: N/A FS_HLM: 6.23 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and is open on both ends. Pipe should be abandoned properly. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee 6-feet below the crown. Evidence of Pump, gate valve on the WS toe along with a service pole. Evidence of a 36-inch standpipe at the landward toe. Originally included in the 1966 O&M manual. FS Date: 07/10/2013																				



Pipe open on WS slope.

LM Start	6.13	Rating **	U	Issue No.	226 (cont)				
LM End	6.13	Issue Type +	En	Location *	LS				



Pipe visible on WS slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
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Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.13	Rating **	U	Issue No.	226 (cont)									
LM End	6.13	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.388175 °	38.388175 °									
				-121.542623 °	-121.542623 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15600 DS_ID:22859 EP_NO: N/A FS_HLM: 6.23 Repair Type: Urgent Crossing Status: Found														



6-inch steel pipe on LS slope with evidence of 36-inch standpipe in background.

LM Start	6.13	Rating **	A/W	Issue No.	100									
LM End	6.24	Issue Type +	En	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.388165 °	38.389695 °									
				-121.542647 °	-121.542778 °									
DWR ID	DWR_RD0999_05_s_2012_100													
Action/Comments														
Prunings														

No Photos

LM Start	6.13	Rating **	M	Issue No.	60									
LM End	6.13	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.388225 °	38.388225 °									
				-121.542697 °	-121.542697 °									
DWR ID	DWR_RD0999_05_s_2012_60													
Action/Comments														
Trim and thin trees to allow visibility of the ground and room to flood fight.														

Photo 1 of 1 : FA_2015_RD0999_236_60_20150914_00058.jpg



Looking north at dense trees on landward slope. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
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Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.19	Rating **	A/W	Issue No.	140									
LM End	6.19	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.388920 °	38.388920 °									
				-121.542982 °	-121.542982 °									
DWR ID	DWR_RD0999_05_s_2013_140													
Action/Comments														
Pipe														
Inspector Comments: Irrigation pipes stored on landside toe.														



Looking west at irrigation pipes on landside toe.

LM Start	6.20	Rating **	A/W	Issue No.	74									
LM End	6.25	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.389116 °	38.389766 °									
				-121.542986 °	-121.542673 °									
DWR ID	DWR_RD0999_05_s_2012_74													
Action/Comments														
Prunings														
Inspector Comments: Prunings are outside the twenty foot zone should be burned or removed from waterward slope.														



Looking southeast at prunings on waterward slope.

LM Start	6.20	Rating **	A/W	Issue No.	115									
LM End	6.24	Issue Type +	Ma	Location *	CR									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Crown Surface / Depressions / Rutting			38.389182 °	38.389725 °									
				-121.542982 °	-121.542732 °									
DWR ID	DWR_RD0999_05_s_2012_115													
Action/Comments														
Repair depressions or ruts in the crown or slope.														

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
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Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.22	Rating **	M	Issue No.	183																		
LM End	6.22	Issue Type +	Ma	Location *	LS		No Photos																
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Trim / Thin Trees			38.389392 °	38.389392 °																		
DWR ID	DWR_RD0999_05_s_2015_183																						
Action/Comments																							
Thin trees to allow visibility of the ground and room to flood fight.																							

LM Start	6.26	Rating **	C	Issue No.	90																		
LM End	6.26	Issue Type +	Ma	Location *	CR		No Photos																
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Repair Gates			38.389851 °	38.389851 °																		
DWR ID	DWR_RD0999_05_f_2012_90																						
Action/Comments																							
Inspector Comments: Gate should be repaired or removed. Gate has been removed.																							

LM Start	6.26	Rating **	M	Issue No.	155																		
LM End	6.26	Issue Type +	En	Location *	LS																		
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Encroachments			38.389946 °	38.389946 °																		
DWR ID	DWR_RD0999_05_f_2013_155																						
Action/Comments																							
Ramp Inspector Comments: Unauthorized ramp on landward slope.																							

Photo 1 of 1 : FA_2015_RD0999_236_155_20150914_00106.jpg



Looking southwest at ramp on landward slope.

Flood Control Project Maintenance
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Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.34	Rating **	A/W	Issue No.	75																		
LM End	6.43	Issue Type +	Ma	Location *	LS		No Photos																
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Trim / Thin Trees			38.390541 °	38.391396 °																		
DWR ID	DWR_RD0999_05_s_2012_75																						
Action/Comments																							
Trim and thin trees to allow visibility of the ground and room to flood fight.																							

LM Start	6.37	Rating **	M	Issue No.	97																		
LM End	6.49	Issue Type +	En	Location *	LS																		
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Encroachments			38.390848 °	38.391880 °																		
DWR ID	DWR_RD0999_05_f_2012_97																						
Action/Comments																							
Tree or limb Inspector Comments: Young trees on landside slope.																							

Photo 1 of 2 : FA_2015_RD0999_236_97_20150914_00081.jpg



Looking west at newly planted tree on landside slope.

Photo 2 of 2 : FA_2015_RD0999_236_97_20150914_00082.jpg



Looking northwest at newly planted trees on landside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
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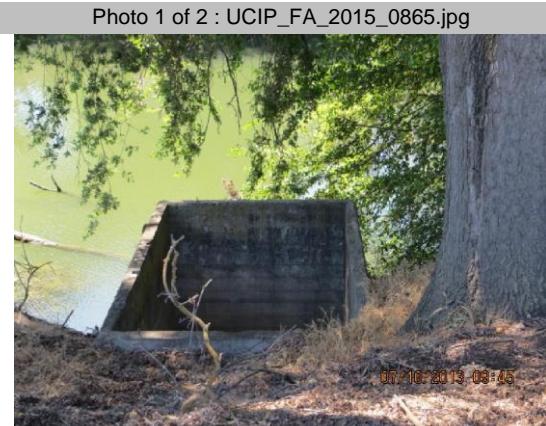
Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.44	Rating **	M	Issue No.	181				
LM End	6.44	Issue Type +	Ma	Location *	LS		No Photos		
Category	Earthen Levee			GPS Latitude/Longitude					
				Start		End			
Item	Trim / Thin Trees			38.391502	°	38.391502	°		
				-121.539897	°	-121.539897	°		
DWR ID	DWR_RD0999_05_f_2015_181								
Action/Comments									
Trim trees to at least five feet above ground level.									

LM Start	6.47	Rating **	M	Issue No.	227				
LM End	6.47	Issue Type +	En	Location *	LS				
Category	Supplemental			GPS Latitude/Longitude					
				Start		End			
Item	DWR UCIP Field Study			38.391723	°	38.391723	°		
				-121.539442	°	-121.539442	°		
DWR ID									
Action/Comments									
Inspector Comments: FS_ID:15604 DS_ID:22860 EP_NO: N/A FS_HLM: 6.57 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through the levee 7.2 feet below the crown. Open 9'X14' concrete pump pit on waterward slope. Pipe has steel plate bolted over WS end . Originally included in the 1966 O&M manual. FS Date: 07/10/2013									



Concrete pump pit on WS slope.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

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Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.47	Rating **	M	Issue No.	227 (cont)									
LM End	6.47	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.391723 °	38.391723 °									
				-121.539442 °	-121.539442 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15604 DS_ID:22860 EP_NO: N/A FS_HLM: 6.57 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: "Abandoned* 14-inch pipe through the levee 7.2 feet below the crown. Open 9'X14' concrete pump pit on waterward slope. Pipe has steel plate bolted over WS end . Originally included in the 1966 O&M manual. FS Date: 07/10/2013														



LM Start	6.48	Rating **	M	Issue No.	92									
LM End	6.48	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.391776 °	38.391776 °									
				-121.539295 °	-121.539295 °									
DWR ID	DWR_RD0999_05_s_2012_92													
Action/Comments														
Prunings														



Looking east prunings on landward slope.

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Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.56	Rating **	M	Issue No.	228																			
LM End	6.56	Issue Type +	En	Location *	LS																			
Category				GPS Latitude/Longitude																				
				Start	End																			
Item				38.392788 °	38.392788 °																			
				-121.539047 °	-121.539047 °																			
DWR ID																								
Action/Comments																								
Inspector Comments: FS_ID:16342 DS_ID:23988 EP_NO: N/A FS_HLM: 6.659 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine Permit No. for this crossing. FIELD_STRUCT_DESC: 8-inch aluminum irrigation pipe over the crown-pipe blocks crown when in use. Portable pump on WS toe. FS Date: 07/10/2013																								

LM Start	6.56	Rating **	M	Issue No.	228 (cont)				
LM End	6.56	Issue Type +	En	Location *	LS				

Photo 1 of 2 : UCIP_FA_2015_1375.jpg



Portable pump on WS toe.

Photo 2 of 2 : UCIP_FA_2015_1376.jpg



Pipe at crossing over crown.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
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Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.61	Rating **	M	Issue No.	132				
LM End	6.61	Issue Type +	En	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Encroachments			38.393578 °	38.393578 °				
				-121.539295 °	-121.539295 °				
DWR ID	DWR_RD0999_05_f_2012_132								
Action/Comments									
Ramp	Inspector Comments: Landowner installed ramp on landside slope without permit.								

Photo 1 of 1 : FA_2015_RD0999_236_132_20150914_00093.jpg



Looking east at unauthorized ramp on landside slope.

LM Start	6.68	Rating **	U	Issue No.	93				
LM End	6.71	Issue Type +	En	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Vegetation			38.394491 °	38.394991 °				
				-121.539427 °	-121.539333 °				
DWR ID	DWR_RD0999_05_s_2012_93								
Action/Comments									
Landscaping	Inspector Comments: Overgrown landscape on landside slope and toe.								

Photo 1 of 1 : FA_2015_RD0999_236_93_20150914_00076.jpg



Looking north at overgrown landscape on landside slope and toe.

LM Start	6.73	Rating **	M	Issue No.	96				
LM End	6.73	Issue Type +	Ma	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Encroachments			38.395234 °	38.395234 °				
				-121.539323 °	-121.539323 °				
DWR ID	DWR_RD0999_05_s_2012_96								
Action/Comments									
Material	Inspector Comments: Firewood and other material on landside shoulder.								

Photo 1 of 4 : FA_2015_RD0999_236_96_20150914_00077.jpg



Fence, firewood and material at landside shoulder.

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Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.73	Rating **	M	Issue No.	96 (cont)									
LM End	6.73	Issue Type +	Ma	Location *	LS									
Category		Earthen Levee				GPS Latitude/Longitude								
				Start		End								
Item		Encroachments		38.395234 °	38.395234 °									
				-121.539323 °	-121.539323 °									
DWR ID	DWR_RD0999_05_s_2012_96													
Action/Comments														
Material Inspector Comments: Firewood and other material on landside shoulder.														

Photo 2 of 4 : FA_2015_RD0999_236_96_20150914_00078.jpg



Looking northeast at firewood and other material on landside shoulder.
(Spring 2012)

LM Start	6.73	Rating **	M	Issue No.	96 (cont)	
LM End	6.73	Issue Type +	Ma	Location *	LS	

Photo 3 of 4 : FA_2015_RD0999_236_96_20150914_00079.jpg



Looking south at firewood and other material on landside shoulder and crown.

LM Start	6.73	Rating **	M	Issue No.	96 (cont)	
LM End	6.73	Issue Type +	Ma	Location *	LS	

Photo 4 of 4 : FA_2015_RD0999_236_96_20150914_00080.jpg



Looking north at firewood and other material on landside shoulder and crown.

* Location
LS : Land Side
N/A : Not Applicable
WS : Water Side

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.78	Rating **	M	Issue No.	186													
LM End	6.78	Issue Type +	Ma	Location *	LS				No Photos									
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Trim / Thin Trees			38.395890 °	38.395890 °													
				-121.538917 °	-121.538917 °													
DWR ID	DWR_RD0999_05_f_2015_186																	
Action/Comments																		
Trim trees to at least five feet above ground level.																		

LM Start	6.79	Rating **	M	Issue No.	156													
LM End	6.83	Issue Type +	En	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Encroachments			38.395945 °	38.396307 °													
				-121.538859 °	-121.538177 °													
DWR ID	DWR_RD0999_05_f_2013_156																	
Action/Comments																		
Equipment Inspector Comments: Landowner is storing farm equipment on landward shoulder.																		

Photo 1 of 3 : FA_2015_RD0999_236_156_20150914_00107.jpg



Looking north at farm equipment on landward shoulder (Fall 2014)

Photo 2 of 3 : FA_2015_RD0999_236_156_20150914_00108.jpg



Looking north at farm equipment on landward shoulder.

LM Start	6.79	Rating **	M	Issue No.	156 (cont)				
LM End	6.83	Issue Type +	En	Location *	LS				

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

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Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.79	Rating **	M	Issue No.	156 (cont)							
LM End	6.83	Issue Type +	En	Location *	LS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Encroachments			38.395945 °	38.396307 °							
				-121.538859 °	-121.538177 °							
DWR ID	DWR_RD0999_05_f_2013_156											
Action/Comments												
Equipment												
Inspector Comments: Landowner is storing farm equipment on landward shoulder.												

Photo 3 of 3 : FA_2015_RD0999_236_156_20150914_00109.jpg



Looking south at farm equipment on landward shoulder.

LM Start	6.80	Rating **	M	Issue No.	157							
LM End	6.80	Issue Type +	En	Location *	WS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Encroachments			38.396099 °	38.396099 °							
				-121.538585 °	-121.538585 °							
DWR ID	DWR_RD0999_05_f_2013_157											
Action/Comments												
Material												
Inspector Comments: Landowner is storing pallets of bricks on waterward shoulder.												

Photo 1 of 1 : FA_2015_RD0999_236_157_20150914_00110.jpg



Looking northeast at pallets of bricks stored on waterward shoulder.

LM Start	6.85	Rating **	M	Issue No.	204							
LM End	7.49	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee			GPS Latitude/Longitude								
				Start	End							
Item	Trim / Thin Trees			38.396379 °	38.403600 °							
				-121.537814 °	-121.540311 °							
DWR ID	DWR_RD0999_05_f_2014_204											
Action/Comments												
Trim trees to at least five feet above ground level.												
Inspector Comments: Trees at landward toe blocking visibility.												

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	6.95	Rating **	A/W	Issue No.	142										
LM End	6.95	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.396958 °	38.396958 °										
				-121.536148 °	-121.536148 °										
DWR ID	DWR_RD0999_05_s_2013_142														
Action/Comments															
Prunings Inspector Comments: Large pruning pile on landward shoulder and slope.															

Photo 1 of 1 : FA_2015_RD0999_236_142_20150914_00098.jpg



Looking northeast at large prunings on landward slope.

LM Start	7.15	Rating **	M	Issue No.	184										
LM End	7.15	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.399761 °	38.399761 °										
				-121.536565 °	-121.536565 °										
DWR ID	DWR_RD0999_05_s_2015_184														
Action/Comments															
Trim trees to at least five feet above ground level.															

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	7.51	Rating **	U	Issue No.	229							
LM End	7.51	Issue Type +	En	Location *	LS							
Category	Supplemental			GPS Latitude/Longitude								
				Start	End							
Item	DWR UCIP Field Study			38.403744 °	38.403744 °							
				-121.540714 °	-121.540714 °							
DWR ID												
Action/Comments												
Inspector Comments: FS_ID:15617 DS_ID:22863 EP_NO: N/A FS_HLM: 7.63 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and open on both ends. Concrete pump pit foundation undermined at WS toe. Pipe should be abandoned properly FIELD_STRUCT_DESC: *Abandoned* 14-inch steel irrigation pipe through the levee 4.8 feet below the crown. Abandoned 9'X14' concrete pump pit on waterward slope. Pipe open at both ends. Originally included in the 1966 O&M manual. FS Date: 07/10/2013												



LM Start	7.51	Rating **	U	Issue No.	229 (cont)	
LM End	7.51	Issue Type +	En	Location *	LS	



Pipe visible on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	7.51	Rating **	U	Issue No.	229 (cont)									
LM End	7.51	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.403744 °	38.403744 °									
				-121.540714 °	-121.540714 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15617 DS_ID:22863 EP_NO: N/A FS_HLM: 7.63 Repair Type: Urgent Crossing Status: Found														



Concrete pump pit on WS toe.

LM Start	7.54	Rating **	U	Issue No.	66									
LM End	7.58	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Vegetation			38.403895 °	38.404145 °									
				-121.541113 °	-121.541835 °									
DWR ID	DWR_RD0999_05_s_2012_66													
Action/Comments														
Landscaping														



Looking east at overgrown landscape on landside slope.

LM Start	7.54	Rating **	U	Issue No.	66 (cont)	
LM End	7.58	Issue Type +	En	Location *	LS	

Photo 1 of 2 : FA_2015_RD0999_236_66_20150914_00060.jpg



Landscaping on landside slope blocking view of slope.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	7.55	Rating **	M	Issue No.	99	
LM End	7.57	Issue Type +	En	Location *	WS	No Photos
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.403808 °	38.403976 °	
				-121.541354 °	-121.541661 °	
DWR ID	DWR_RD0999_05_s_2012_99					
Action/Comments						
Fence						

LM Start	7.57	Rating **	M	Issue No.	230	
LM End	7.57	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.403993 °	38.403993 °	
				-121.541626 °	-121.541626 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:15624 DS_ID:22864 EP_NO: N/A FS_HLM: 7.68 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space needs to be grouted between the 12 and 14-inch pipes. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee 7.0 feet below the crown. 12-inch pipe sleeved through 14-inch pipe. Annular space not grouted. 36-inch concrete standpipe on LS toe. Originally included in the 1966 O&M manual. FS Date: 07/10/2013						



Pump on metal pier with walkway at WS toe

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	7.57	Rating **	M	Issue No.	230 (cont)									
LM End	7.57	Issue Type +	En	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.403993 °	38.403993 °									
				-121.541626 °	-121.541626 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15624 DS_ID:22864 EP_NO: N/A FS_HLM: 7.68 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space needs to be grouted between the 12 and 14-inch pipes. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee 7.0 feet below the crown. 12-inch pipe sleeved through 14-inch pipe. Annular space not grouted. 36-inch concrete standpipe on LS toe. Originally included in the 1966 O&M manual. FS Date: 07/10/2013														



LM Start	7.57	Rating **	M	Issue No.	230 (cont)	
LM End	7.57	Issue Type +	En	Location *	WS	

Notice: No grout between sleeved pipes.



12-inch pipe sleeved through 14-inch pipe at WS slope. Erosion around pipe on levee slopes-both sides of levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	7.58	Rating **	A/W	Issue No.	193										
LM End	7.58	Issue Type +	En	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.404135 °	38.404135 °										
				-121.541878 °	-121.541878 °										
DWR ID	DWR_RD0999_05_s_2014_193														
Action/Comments															
Tree or limb Inspector Comments: Downed tree on waterward shoulder.															

Photo 1 of 1 : FA_2015_RD0999_236_193_20150914_00118.jpg



Looking east at downed tree on waterward shoulder.

LM Start	7.67	Rating **	M	Issue No.	231										
LM End	7.67	Issue Type +	En	Location *	WS										
Category	Supplemental			GPS Latitude/Longitude											
				Start	End										
Item	DWR UCIP Field Study			38.404865 °	38.404865 °										
				-121.543079 °	-121.543079 °										
DWR ID															
Action/Comments															
Inspector Comments: FS_ID:15742 DS_ID:22866 EP_NO: N/A FS_HLM: 7.78 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to locate, but good location as there are sprinklers on both sides of the crown. Need to determine disposition of pipe. FIELD_STRUCT_DESC: 3-inch pipe through levee 11.3 feet below crown. Gate valve on landward slope. Sprinklers located on both slopes of levee. Location verified by electromagnetic survey. Originally included in the 1966 O&M manual. FS Date: 07/10/2013															

No Photos

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	7.77	Rating **	M	Issue No.	232												
LM End	7.77	Issue Type +	En	Location *	WS		No Photos										
Category	Supplemental			GPS Latitude/Longitude													
				Start	End												
Item	DWR UCIP Field Study			38.406221 °	38.406221 °												
DWR ID				-121.543609 °	-121.543609 °												
Action/Comments																	
Inspector Comments: FS_ID:15643 DS_ID:22867 EP_NO: N/A FS_HLM: 7.89 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to access property. Need to verify disposition of pipe. FIELD_STRUCT_DESC: 12-inch pipe through levee 4.0 feet below crown. Pump house on the waterward slope, service pole on the levee crown. Originally included in the 1966 O&M manual. FS Date: 07/10/2013																	

LM Start	8.03	Rating **	M	Issue No.	185												
LM End	8.03	Issue Type +	Ma	Location *	LS												
Category	Earthen Levee			GPS Latitude/Longitude													
				Start	End												
Item	Encroachments			38.409324 °	38.409324 °												
DWR ID	DWR_RD0999_05_s_2015_185			-121.541223 °	-121.541223 °												
Action/Comments																	
Prunings Inspector Comments: Garbage within prunings piles.																	

Photo 1 of 1 : FA_2015_RD0999_236_185_20150914_00113.jpg



Looking west at pruning piles on landward slope. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.04	Rating **	M	Issue No.	233							
LM End	8.04	Issue Type +	En	Location *	LS							
Category	Supplemental			GPS Latitude/Longitude								
				Start	End							
Item	DWR UCIP Field Study			38.409421 °	38.409421 °							
				-121.541007 °	-121.541007 °							
DWR ID												
Action/Comments												
Inspector Comments: FS_ID:15683 DS_ID:22881 EP_NO: 13463 FS_HLM: 8.173 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe exposed in excavation on LS shoulder at what may be a leak. FIELD_STRUCT_DESC: 12-inch pipe through the levee 2.5-feet below the crown. Pump on pile structure with walkway on WS toe. 12-inch PVC standpipe on LS toe next to filter plant and shed. (Permit No. 13463, 1982). 1.5-inch PVC electrical conduit at same location. This pipe replaced an existing 8-inch pipe that was grouted in place. FS Date: 07/10/2013												

LM Start	8.04	Rating **	M	Issue No.	233 (cont)	
LM End	8.04	Issue Type +	En	Location *	LS	

Photo 1 of 3 : UCIP_FA_2015_1015.jpg



Pipe visible on LS shoulder with siphon breaker.

Photo 2 of 3 : UCIP_FA_2015_1016.jpg



Air vent and butterfly valve at filter plant/shed. Meter on JP with electrical controls.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

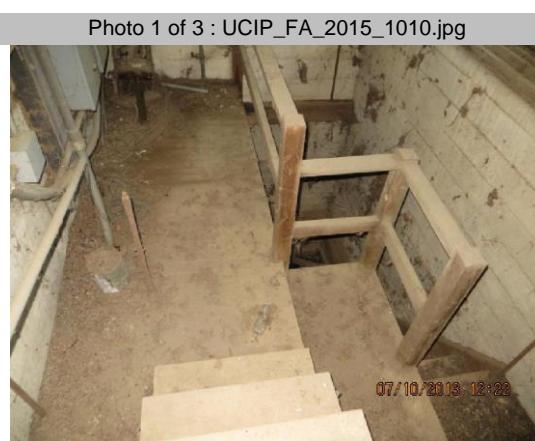
Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.04	Rating **	M	Issue No.	233 (cont)									
LM End	8.04	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.409421 °	38.409421 °									
				-121.541007 °	-121.541007 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15683 DS_ID:22881 EP_NO: 13463 FS_HLM: 8.173 Repair Type: Non-Urgent Crossing Status: Found														



Pump on metal pier with walkway on WS slope.

LM Start	8.05	Rating **	M	Issue No.	234									
LM End	8.05	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.409440 °	38.409440 °									
				-121.540928 °	-121.540928 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15663 DS_ID:22868 EP_NO: N/A FS_HLM: 8.177 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee 14.4 feet below crown. Gate valve at pump in Concrete pit under pumphouse on WS slope. Originally included in the 1966 O&M manual. FS Date: 07/10/2013														



Pump and gate valve assumed to be in bottom of concrete well inside pumphouse.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

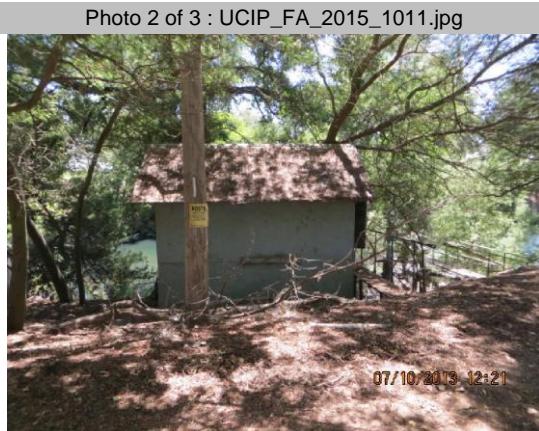
Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.05	Rating **	M	Issue No.	234 (cont)									
LM End	8.05	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.409440 °	38.409440 °									
				-121.540928 °	-121.540928 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15663 DS_ID:22868 EP_NO: N/A FS_HLM: 8.177 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee 14.4 feet below crown. Gate valve at pump in Concrete pit under pumphouse on WS slope. Originally included in the 1966 O&M manual. FS Date: 07/10/2013														



LM Start	8.05	Rating **	M	Issue No.	234 (cont)	
LM End	8.05	Issue Type +	En	Location *	LS	

Concrete pumphouse on WS slope.



14-inch pipe visible at WS toe below pumphouse.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.05	Rating **	M	Issue No.	235							
LM End	8.05	Issue Type +	En	Location *	LS							
Category	Supplemental			GPS Latitude/Longitude								
				Start	End							
Item	DWR UCIP Field Study			38.409488 °	38.409488 °							
				-121.540833 °	-121.540833 °							
DWR ID												
Action/Comments												
Inspector Comments: FS_ID:15664 DS_ID:22870 EP_NO: N/A FS_HLM: 8.177 Repair Type: Non-Urgent Crossing Status: Found												

LM Start	8.05	Rating **	M	Issue No.	235 (cont)	
LM End	8.05	Issue Type +	En	Location *	LS	

Photo 1 of 2 : UCIP_FA_2015_1013.jpg



Pipe visible inside pumphouse on WS slope.

Photo 2 of 2 : UCIP_FA_2015_1014.jpg



Pipe visible inside pumphouse on WS slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable	N : Not Inspected/Rated
M : Minimally Acceptable	C : Corrected
U : Unacceptable	A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.06	Rating **	M	Issue No.	87		No Photos		
LM End	8.10	Issue Type +	En	Location *	LS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Vegetation			38.409532 °	38.409760 °				
				-121.540667 °	-121.540080 °				
DWR ID	DWR_RD0999_05_s_2012_87								
Action/Comments									
Landscaping									

LM Start	8.06	Rating **	A/W	Issue No.	88		No Photos		
LM End	8.06	Issue Type +	En	Location *	WS				
Category	Earthen Levee			GPS Latitude/Longitude					
				Start	End				
Item	Encroachments			38.409532 °	38.409532 °				
				-121.540665 °	-121.540665 °				
DWR ID	DWR_RD0999_05_s_2012_88								
Action/Comments									
Prunings									

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.10	Rating **	M	Issue No.	236									
LM End	8.10	Issue Type +	En	Location *	WS									
Category				GPS Latitude/Longitude										
				Start	End									
Item				DWR UCIP Field Study	38.409749 °	38.409749 °								
					-121.540079 °	-121.540079 °								
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15685 DS_ID:22871 EP_NO: 4851 FS_HLM: 8.23 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned and should be done so properly. FIELD_STRUCT_DESC: 8-inch pipe through levee 6.2 feet below crown. Gate valve in pump house on the waterward slope, service pole on both slopes (Permit No 4851, 1965). Originally included in the 1966 O&M manual. FS Date: 07/10/2013														

LM Start	8.10	Rating **	M	Issue No.	236 (cont)				
LM End	8.10	Issue Type +	En	Location *	WS				

Photo 1 of 3 : UCIP_FA_2015_1018.jpg



07/10/2013 12:51

Pump and gatevalve in pumphouse on WS toe.

Photo 2 of 3 : UCIP_FA_2015_1019.jpg



07/10/2013 12:51

Possible location for original outlet on LS of Netherlands road.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

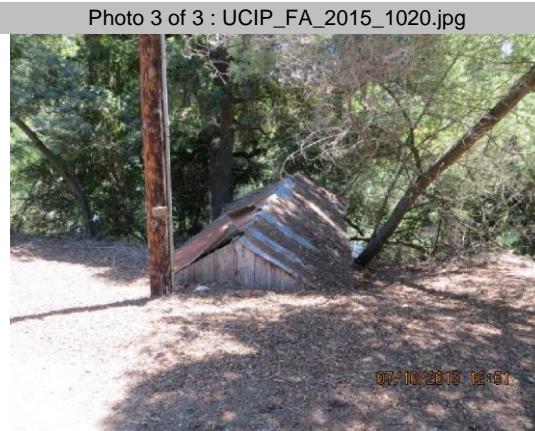
Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.10	Rating **	M	Issue No.	236 (cont)									
LM End	8.10	Issue Type +	En	Location *	WS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.409749 °	38.409749 °									
				-121.540079 °	-121.540079 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15685 DS_ID:22871 EP_NO: 4851 FS_HLM: 8.23 Repair Type: Non-Urgent Crossing Status: Found														



Pumphouse/concrete headwall on WS slope.

LM Start	8.14	Rating **	M	Issue No.	117									
LM End	8.14	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.409855 °	38.409855 °									
				-121.539382 °	-121.539382 °									
DWR ID	DWR_RD0999_05_s_2012_117													
Action/Comments														
Trim trees to at least five feet above ground level.														

No Photos

LM Start	8.14	Rating **	M	Issue No.	205									
LM End	8.14	Issue Type +	Ma	Location *	WS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.409876 °	38.409876 °									
				-121.539348 °	-121.539348 °									
DWR ID	DWR_RD0999_05_f_2014_205													
Action/Comments														
Trim trees over roadway to at least 12 feet above ground level.														

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected O/B : Design & System Obsolescence E : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.17	Rating **	A/W	Issue No.	133		No Photos	
LM End	8.17	Issue Type +	En	Location *	LS			
Category	Earthen Levee			GPS Latitude/Longitude				
				Start	End			
Item	Encroachments			38.409846 °	38.409846 °	-121.538828 °	-121.538828 °	
DWR ID	DWR_RD0999_05_f_2012_133		Action/Comments					
Prunings								

LM Start	8.22	Rating **	M	Issue No.	206		No Photos	
LM End	8.22	Issue Type +	Ma	Location *	LS			
Category	Earthen Levee			GPS Latitude/Longitude				
				Start	End			
Item	Trim / Thin Trees			38.409679 °	38.409679 °	-121.537920 °	-121.537920 °	
DWR ID	DWR_RD0999_05_f_2014_206		Action/Comments					
Trim trees to at least five feet above ground level.								

LM Start	8.22	Rating **	M	Issue No.	118		No Photos	
LM End	8.22	Issue Type +	Ma	Location *	WS			
Category	Earthen Levee			GPS Latitude/Longitude				
				Start	End			
Item	Trim / Thin Trees			38.409665 °	38.409665 °	-121.537898 °	-121.537898 °	
DWR ID	DWR_RD0999_05_s_2012_118		Action/Comments					
Trim trees to at least five feet above ground level.								

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.24	Rating **	A/W	Issue No.	119		No Photos																			
LM End	8.24	Issue Type +	Ma	Location *	WS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Encroachments			38.409580 °	38.409580 °																					
DWR ID	DWR_RD0999_05_s_2012_119																									
Action/Comments																										
Prunings																										

LM Start	8.26	Rating **	A/W	Issue No.	120		No Photos																			
LM End	8.31	Issue Type +	Ma	Location *	LS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.409467 °	38.409145 °																					
DWR ID	DWR_RD0999_05_s_2012_120																									
Action/Comments																										
Trim trees to at least five feet above ground level.																										

LM Start	8.27	Rating **	A/W	Issue No.	69		No Photos																			
LM End	9.43	Issue Type +	Ma	Location *	LS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Animal Control			38.409445 °	38.413717 °																					
DWR ID	DWR_RD0999_05_s_2012_69																									
Action/Comments																										
Exterminate rodents and backfill and compact or grout burrows.																										

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.28	Rating **	M	Issue No.	207				
LM End	8.28	Issue Type +	En	Location *	LS				
Category	Earthen Levee		GPS Latitude/Longitude						
			Start	End					
Item	Encroachments		38.409389 °	38.409389 °					
			-121.536881 °	-121.536881 °					
DWR ID	DWR_RD0999_05_f_2014_207								
Action/Comments									
Pipe									
Inspector Comments: Electrical conduct buried across levee crown. Conduct connects to satellite dish on waterward shoulder.									

Photo 1 of 3 : FA_2015_RD0999_236_207_20150914_00125.jpg



Looking south at satellite dish on waterward shoulder.

Photo 2 of 3 : FA_2015_RD0999_236_207_20150914_00126.jpg



Looking west at electrical box on landward shoulder.

Photo 3 of 3 : FA_2015_RD0999_236_207_20150914_00127.jpg



Looking northeast at electrical box on landward shoulder.

LM Start	8.28	Rating **	M	Issue No.	207 (cont)	
LM End	8.28	Issue Type +	En	Location *	LS	

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.29	Rating **	M	Issue No.	194																		
LM End	8.31	Issue Type +	Ma	Location *	LS		No Photos																
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Trim / Thin Trees			38.409306 °	38.409184 °																		
DWR ID	DWR_RD0999_05_s_2014_194																						
Action/Comments																							
Trim trees to at least five feet above ground level.																							

LM Start	8.29	Rating **	M	Issue No.	237																		
LM End	8.29	Issue Type +	En	Location *	LS																		
Category	Supplemental			GPS Latitude/Longitude																			
				Start	End																		
Item	DWR UCIP Field Study			38.409264 °	38.409264 °																		
DWR ID																							
Action/Comments																							
Inspector Comments: FS_ID:15686 DS_ID:22872 EP_NO: N/A FS_HLM: 8.43 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Type of pipe abandonment needs to be verified. FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 11.7 feet below crown, no control valves. 1.5-inch galvanized iron electrical conduit found on WS slope at oak tree. 8-inch Pipe debris visible on WS slope. Originally included in the 1966 O&M manual. FS Date: 07/10/2013																							

Photo 1 of 3 : UCIP_FA_2015_1021.jpg



1.5-inch electrical conduit visible on WS slope next to oak.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.29	Rating **	M	Issue No.	237 (cont)									
LM End	8.29	Issue Type +	En	Location *	LS									
Category	Supplemental			GPS Latitude/Longitude										
				Start	End									
Item	DWR UCIP Field Study			38.409264 °	38.409264 °									
				-121.536659 °	-121.536659 °									
DWR ID														
Action/Comments														
Inspector Comments: FS_ID:15686 DS_ID:22872 EP_NO: N/A FS_HLM: 8.43 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Type of pipe abandonment needs to be verified. FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 11.7 feet below crown, no control valves. 1.5-inch galvanized iron electrical conduit found on WS slope at oak tree. 8-inch Pipe debris visible on WS slope. Originally included in the 1966 O&M manual. FS Date: 07/10/2013														

Photo 2 of 3 : UCIP_FA_2015_1022.jpg



1.5-inch electrical conduit visible on WS slope next to oak.

Photo 3 of 3 : UCIP_FA_2015_1026.jpg



8-inch pipe debris with 1.5-inch electrical conduit visible in background on WS slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable	N : Not Inspected/Rated
M : Minimally Acceptable	C : Corrected
U : Unacceptable	A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.36	Rating **	A/W	Issue No.	89																		
LM End	8.36	Issue Type +	En	Location *	WS																		
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Encroachments			38.408763 °	38.408763 °																		
DWR ID	DWR_RD0999_05_s_2012_89																						
Action/Comments																							
Prunings Inspector Comments: Garbage within prunings pile.																							

No Photos

LM Start	8.39	Rating **	M	Issue No.	101																		
LM End	8.43	Issue Type +	En	Location *	LS																		
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Encroachments			38.408586 °	38.408748 °																		
DWR ID	DWR_RD0999_05_s_2012_101																						
Action/Comments																							
Fence Inspector Comments: Fence installed without CVFPB permit in 2008. Fence extends from landside toe to landside shoulder.																							

Photo 1 of 1 : FA_2015_RD0999_236_101_20150914_00083.jpg



New installed unauthorized fence at landside slope and shoulder.

LM Start	8.42	Rating **	U	Issue No.	81																		
LM End	8.42	Issue Type +	En	Location *	CR																		
Category	Earthen Levee			GPS Latitude/Longitude																			
				Start	End																		
Item	Encroachments			38.408612 °	38.408612 °																		
DWR ID	DWR_RD0999_05_f_2015_81																						
Action/Comments																							
Fence Inspector Comments: Landowner blocking access to levee with fence across levee and trailer in front of gate.																							

Photo 1 of 3 : FA_2015_RD0999_236_81_20151106_00168.jpg



Looking east at fence and gate across levee crown.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.42	Rating **	U	Issue No.	81 (cont)									
LM End	8.42	Issue Type +	En	Location *	CR									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.408612 °	38.408612 °									
				-121.534572 °	-121.534572 °									
DWR ID	DWR_RD0999_05_f_2015_81													
Action/Comments														
Fence Inspector Comments: Landowner blocking access to levee with fence across levee and trailer in front of gate.														

Photo 2 of 3 : FA_2015_RD0999_236_81_20151106_00169.jpg



Looking east at trailer blocking access to the levee.

LM Start	8.42	Rating **	U	Issue No.	81 (cont)	
LM End	8.42	Issue Type +	En	Location *	CR	

Photo 3 of 3 : FA_2015_RD0999_236_81_20151106_00170.jpg



Looking north at fence and gate across levee crown.

LM Start	8.43	Rating **	M	Issue No.	106									
LM End	8.43	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.408688 °	38.408688 °									
				-121.534367 °	-121.534367 °									
DWR ID	DWR_RD0999_05_s_2012_106													
Action/Comments														
Trim trees over roadway to at least 12 feet above ground level.														

No Photos

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.48	Rating **	M	Issue No.	102		No Photos											
LM End	8.51	Issue Type +	En	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Trim / Thin Trees			38.409116 °	38.409500 °													
				-121.533738 °	-121.533443 °													
DWR ID	DWR_RD0999_05_s_2012_102																	
Action/Comments																		
Trim trees over roadway to at least 12 feet above ground level.																		

LM Start	8.49	Rating **	A/W	Issue No.	78		No Photos											
LM End	8.49	Issue Type +	En	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Vegetation			38.409378 °	38.409378 °													
				-121.533608 °	-121.533608 °													
DWR ID	DWR_RD0999_05_s_2012_78																	
Action/Comments																		
Remove the wild growth other than native grasses from the levee slopes.																		

LM Start	8.50	Rating **	M	Issue No.	187		Photo 1 of 1 : FA_2015_RD0999_236_187_20150914_00114.jpg											
LM End	8.50	Issue Type +	En	Location *	CR													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Encroachments			38.409395 °	38.409395 °													
				-121.533593 °	-121.533593 °													
DWR ID	DWR_RD0999_05_s_2015_187																	
Action/Comments																		
Fence Inspector Comments: Landowner installed a electrical fence across levee crown.																		



Looking east at new electrical fence across levee crown and landward slope. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.53	Rating **	A/W	Issue No.	122										
LM End	8.53	Issue Type +	Ma	Location *	LS	No Photos									
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.409700 °	38.409700 °										
				-121.533217 °	-121.533217 °										
DWR ID	DWR_RD0999_05_s_2012_122														
Action/Comments															
Tree or limb															

LM Start	8.54	Rating **	M	Issue No.	195										
LM End	8.54	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.409880 °	38.409880 °										
				-121.533078 °	-121.533078 °										
DWR ID	DWR_RD0999_05_s_2014_195														
Action/Comments															
Firewood															
Inspector Comments: Firewood stock piled on landside slope.															

Photo 1 of 1 : FA_2015_RD0999_236_195_20150914_00119.jpg



Looking northeast at firewood on landward slope.

LM Start	8.54	Rating **	A/W	Issue No.	105										
LM End	8.54	Issue Type +	En	Location *	LS	No Photos									
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.409913 °	38.409913 °										
				-121.532988 °	-121.532988 °										
DWR ID	DWR_RD0999_05_s_2012_105														
Action/Comments															
Remove the wild growth other than native grasses from the levee slopes.															

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.58	Rating **	M	Issue No.	196										
LM End	8.58	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.410279 °	38.410279 °										
				-121.532414 °	-121.532414 °										
DWR ID	DWR_RD0999_05_s_2014_196														
Action/Comments															
Stairway Inspector Comments: Landowner installed concrete stairs and sprinkler and plantings on landside slope without CVFPB permit.															

Photo 1 of 2 : FA_2015_RD0999_236_196_20150914_00120.jpg



Looking east at concrete stairs, sprinklers and plantings on landward slope.

LM Start	8.58	Rating **	M	Issue No.	196 (cont)	
LM End	8.58	Issue Type +	En	Location *	LS	

Photo 2 of 2 : FA_2015_RD0999_236_196_20150914_00121.jpg



Looking north at concrete stairs on landward slope.

LM Start	8.59	Rating **	A/W	Issue No.	126										
LM End	8.59	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.410283 °	38.410283 °										
				-121.532353 °	-121.532353 °										
DWR ID	DWR_RD0999_05_s_2012_126														
Action/Comments															
Remove the wild growth other than native grasses from the levee slopes.															

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.59	Rating **	M	Issue No.	103										
LM End	8.59	Issue Type +	En	Location *	CR										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.410332 °	38.410332 °										
				-121.532277 °	-121.532277 °										
DWR ID	DWR_RD0999_05_s_2012_103														
Action/Comments															
Fence															

Photo 1 of 2 : FA_2015_RD0999_236_103_20150914_00084.jpg



View of fence & gate across levee crown, landside & waterside slope.

LM Start	8.59	Rating **	M	Issue No.	103 (cont)	
LM End	8.59	Issue Type +	En	Location *	CR	

Photo 2 of 2 : FA_2015_RD0999_236_103_20150914_00085.jpg



New unauthorized fence that extend from landside toe to waterside toe.

LM Start	8.61	Rating **	M	Issue No.	123										
LM End	8.61	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.410434 °	38.410434 °										
				-121.532050 °	-121.532050 °										
DWR ID	DWR_RD0999_05_s_2012_123														
Action/Comments															
Trim trees over roadway to at least 12 feet above ground level.															

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.62	Rating **	M	Issue No.	238																			
LM End	8.62	Issue Type +	En	Location *	LS																			
Category				GPS Latitude/Longitude																				
				Start	End																			
Item				38.410531 °	38.410531 °																			
				-121.531785 °	-121.531785 °																			
DWR ID																								
Action/Comments																								
Inspector Comments: FS_ID:16345 DS_ID:23990 EP_NO: N/A FS_HLM: 8.77 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No for crossing or remove it. FIELD_STRUCT_DESC: 3-inch plastic irrigation hose over the levee. Small portable pump on WS toe. FS Date: 07/10/2013																								



Portable pump on WS toe.

LM Start	8.62	Rating **	M	Issue No.	238 (cont)				
LM End	8.62	Issue Type +	En	Location *	LS				



Plastic hose visible on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	N : Not Inspected/Rated C : Corrected Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.63	Rating **	M	Issue No.	104										
LM End	8.63	Issue Type +	En	Location *	CR										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.410617 °	38.410617 °										
				-121.531694 °	-121.531694 °										
DWR ID	DWR_RD0999_05_s_2012_104														
Action/Comments															
Fence															

Photo 1 of 1 : FA_2015_RD0999_236_104_20150914_00086.jpg



New unauthorized fence and gate that extends from landside toe across levee crown to waterside toe.

LM Start	8.63	Rating **	M	Issue No.	208										
LM End	8.63	Issue Type +	Ma	Location *	WS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.410650 °	38.410650 °										
				-121.531635 °	-121.531635 °										
DWR ID	DWR_RD0999_05_f_2014_208														
Action/Comments															
Trim trees over roadway to at least 12 feet above ground level.															

No Photos

LM Start	8.73	Rating **	M	Issue No.	134										
LM End	8.82	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.411577 °	38.412619 °										
				-121.530375 °	-121.529691 °										
DWR ID	DWR_RD0999_05_f_2012_134														
Action/Comments															
Landscape Irrigation Inspector Comments: Sprinklers on landward and waterward shoulder.															

Photo 1 of 1 : FA_2015_RD0999_236_134_20150914_00094.jpg



Looking at one of several sprinklers on waterward and landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.75	Rating **	A/W	Issue No.	91		No Photos																			
LM End	8.75	Issue Type +	Ma	Location *	WS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.411567 °	38.411567 °																					
				-121.529902 °	-121.529902 °																					
DWR ID	DWR_RD0999_05_s_2012_91																									
Action/Comments																										
Trim trees to at least five feet above ground level.																										

LM Start	8.75	Rating **	A/W	Issue No.	107		No Photos																			
LM End	8.75	Issue Type +	En	Location *	WS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Trim / Thin Trees			38.411760 °	38.411760 °																					
				-121.530008 °	-121.530008 °																					
DWR ID	DWR_RD0999_05_s_2012_107																									
Action/Comments																										
Trim trees to at least five feet above ground level.																										

LM Start	8.75	Rating **	M	Issue No.	239		No Photos																			
LM End	8.75	Issue Type +	En	Location *	WS																					
Category	Supplemental			GPS Latitude/Longitude																						
				Start	End																					
Item	DWR UCIP Field Study			38.411805 °	38.411805 °																					
				-121.530044 °	-121.530044 °																					
DWR ID																										
Action/Comments																										
Inspector Comments: FS_ID:16346 DS_ID:23991 EP_NO: N/A FS_HLM: 8.9 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No. for crossing. FIELD_STRUCT_DESC: 1-inch PVC sprinklers on both sides of crown. Unclear where crossing occurs. No photos taken. FS Date: 07/10/2013																										

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.78	Rating **	A/W	Issue No.	108																	
LM End	8.78	Issue Type +	Ma	Location *	WS																	
Category	Earthen Levee				GPS Latitude/Longitude																	
					Start	End																
Item	Encroachments				38.412053 °	38.412053 °																
					-121.529752 °	-121.529752 °																
DWR ID	DWR_RD0999_05_s_2012_108																					
Action/Comments																						
Prunings																						

LM Start	8.81	Rating **	A/W	Issue No.	77																	
LM End	8.81	Issue Type +	En	Location *	LS																	
Category	Earthen Levee				GPS Latitude/Longitude																	
					Start	End																
Item	Encroachments				38.412468 °	38.412468 °																
					-121.529705 °	-121.529705 °																
DWR ID	DWR_RD0999_05_s_2012_77																					
Action/Comments																						
Prunings																						

LM Start	8.88	Rating **	M	Issue No.	124																	
LM End	8.88	Issue Type +	En	Location *	WS																	
Category	Earthen Levee				GPS Latitude/Longitude																	
					Start	End																
Item	Encroachments				38.413508 °	38.413508 °																
					-121.529743 °	-121.529743 °																
DWR ID	DWR_RD0999_05_s_2012_124																					
Action/Comments																						
Prunings																						

* Location
 LS : Land Side N/A : Not Applicable
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 CR : Crown

** Rating
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 A/W : Acceptable but Monitor & Maintain

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Flood Control Project Maintenance
Levee Inspections
Levee Inspection Report By Mile - Fall 2015
Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	8.90	Rating **	M	Issue No.	127										
LM End	8.92	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Vegetation			38.413780 °	38.414138 °										
				-121.529727 °	-121.529772 °										
DWR ID	DWR_RD0999_05_s_2012_127														
Action/Comments															
Landscaping Inspector Comments: Cactus and other plants and sprinklers on landward slope.															

Photo 1 of 1 : FA_2015_RD0999_236_127_20150914_00087.jpg



Looking west at cactus and other vegetation on landward slope.

LM Start	9.00	Rating **	M	Issue No.	209										
LM End	9.03	Issue Type +	Ma	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Trim / Thin Trees			38.415201 °	38.415628 °										
				-121.529612 °	-121.529262 °										
DWR ID	DWR_RD0999_05_f_2014_209														
Action/Comments															
Trim trees over roadway to at least 12 feet above ground level.															

No Photos

LM Start	9.03	Rating **	U	Issue No.	188										
LM End	9.03	Issue Type +	En	Location *	LS										
Category	Earthen Levee			GPS Latitude/Longitude											
				Start	End										
Item	Encroachments			38.415578 °	38.415578 °										
				-121.529263 °	-121.529263 °										
DWR ID	DWR_RD0999_05_f_2015_188														
Action/Comments															
Equipment Inspector Comments: Landowner parked horse trailer on levee landward shoulder blocking access to levee.															

Photo 1 of 1 : FA_2015_RD0999_236_188_20151106_00171.jpg



Looking west at horse trailer blocing access to levee.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	9.14	Rating **	U	Issue No.	200									
LM End	9.14	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.415787 °	38.415787 °									
				-121.527437 °	-121.527437 °									
DWR ID	DWR_RD0999_05_f_2015_200													
Action/Comments														
Stairway Inspector Comments: Landowner installed stairs on landward slope without permit.														

Photo 1 of 1 : FA_2015_RD0999_236_200_20151106_00172.jpg



Looking north stairs on landward slope.

LM Start	9.15	Rating **	M	Issue No.	158									
LM End	9.15	Issue Type +	En	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Encroachments			38.415709 °	38.415709 °									
				-121.527393 °	-121.527393 °									
DWR ID	DWR_RD0999_05_f_2013_158													
Action/Comments														
Equipment Inspector Comments: Landowner has placed bleacher on landward shoulder.														

Photo 1 of 1 : FA_2015_RD0999_236_158_20150914_00111.jpg



Looking northeast at bleacher stored on landward shoulder.

LM Start	9.17	Rating **	M	Issue No.	109									
LM End	9.19	Issue Type +	Ma	Location *	LS									
Category	Earthen Levee			GPS Latitude/Longitude										
				Start	End									
Item	Trim / Thin Trees			38.415495 °	38.415278 °									
				-121.527217 °	-121.527005 °									
DWR ID	DWR_RD0999_05_s_2012_109													
Action/Comments														
Trim trees to at least five feet above ground level.														

No Photos

* Location
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+ Issue Type

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Ob : Design & System Obsolescence
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	9.25	Rating **	A/W	Issue No.	110		No Photos											
LM End	9.30	Issue Type +	Ma	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Trim / Thin Trees			38.414550 °	38.413940 °	-121.526398 °	-121.525902 °											
DWR ID	DWR_RD0999_05_s_2012_110																	
Action/Comments																		
Trim trees to at least five feet above ground level.																		

LM Start	9.31	Rating **	M	Issue No.	111		No Photos											
LM End	9.31	Issue Type +	En	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Vegetation			38.413807 °	38.413807 °	-121.525740 °	-121.525740 °											
DWR ID	DWR_RD0999_05_s_2012_111																	
Action/Comments																		
Landscaping Inspector Comments: Cactus on landside slope.																		

LM Start	9.32	Rating **	M	Issue No.	112		No Photos											
LM End	9.35	Issue Type +	Ma	Location *	LS													
Category	Earthen Levee			GPS Latitude/Longitude														
				Start	End													
Item	Trim / Thin Trees			38.413673 °	38.413412 °	-121.525558 °	-121.525190 °											
DWR ID	DWR_RD0999_05_s_2012_112																	
Action/Comments																		
Thin trees to allow visibility of the ground and room to flood fight.																		

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0999 Netherlands

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.48	11/02/2015 11/04/2015	Richard Willoughby

LM Start	9.39	Rating **	M	Issue No.	114		No Photos																			
LM End	9.39	Issue Type +	Ma	Location *	LS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Vegetation			38.413377 °	38.413377 °																					
				-121.524500 °	-121.524500 °																					
DWR ID	DWR_RD0999_05_s_2012_114																									
Action/Comments																										
Elderberries are blocking visibility and flood fight capability.																										

LM Start	9.42	Rating **	A/W	Issue No.	125		No Photos																			
LM End	9.42	Issue Type +	En	Location *	LS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Vegetation			38.413522 °	38.413522 °																					
				-121.524018 °	-121.524018 °																					
DWR ID	DWR_RD0999_05_s_2012_125																									
Action/Comments																										
Remove the wild growth other than native grasses from the levee slopes.																										

LM Start	9.44	Rating **	M	Issue No.	145		Photo 1 of 1 : FA_2015_RD0999_236_145_20150914_00099.jpg																			
LM End	9.44	Issue Type +	En	Location *	LS																					
Category	Earthen Levee			GPS Latitude/Longitude																						
				Start	End																					
Item	Encroachments			38.413755 °	38.413755 °																					
				-121.523723 °	-121.523723 °																					
DWR ID	DWR_RD0999_05_s_2013_145																									
Action/Comments																										
Firewood Inspector Comments: Firewood stockpile at landward toe.																										



Looking north at firewood piled at landside toe.